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HEALTH REPORT

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1943



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- (AS OF APRIL 12, 1944)



THE HOME FRONT

THE HOME FRONT IS SECURE FROM ANY ATTACK BY THE
FOE. WE MUST SEE THAT IT IS SAFE ALSO FROM ANY
WEAKNESS FROM WITHIN. NEW HORIZONS IN PUBLIC
HEALTH ARE DEVELOPING - AND WE MUST NOT FAIL IN
MEETING AND OVERCOMING THEIR PROBLEMS OF HEALTH
AND PUBLIC SECURITY.

Charles V. Craster
M.D., D.P.H.
HEALTH OFFICER

NEWARK, N.J., APRIL, 1944.

STATISTICAL STUDIES AND
EDITING OF THIS REPORT BY
ROBERT F. MORGAN
2ND ASST. HEALTH OFFICER

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APRIL 1944

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THE UNITED STATES OF AMERICA

1943

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HEALTH REPORT - 1943

NEWARK, N.J.

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HEALTH REPORT -- 1943

NEWARK, N. J.

CHARLES V. CRASTER. M.D., D.P.H. -- HEALTH OFFICER



TO HONORABLE JOHN A. GRADY, DIRECTOR OF PUBLIC AFFAIRS

AND TO THE CITIZENS OF NEWARK, N. J.

PUBLIC HEALTH IN NEWARK

THE HOME FRONT

THIS IS THE THIRD YEAR OF WORLD WAR II. THE IMPACT OF THE CONFLICT UPON OUR CIVILIAN POPULATION HAS NOT AS YET BROUGHT WITH IT ANY PROBLEMS OF PUBLIC HEALTH WHICH HAVE IN ANY WAY GIVEN US CAUSE FOR ANXIETY. THE PROBLEMS OF 1943 SUCH AS THEY WERE, BELONGED TO THE ECONOMIC ORDER AND WERE NATURALLY THE RESULTS OF PHYSICAL CHANGES IN OUR POPULATION.

WITH THE THOUSANDS OF OUR YOUNG MEN IN THE ARMED FORCES AND MANY THOUSANDS OF OUR WOMEN IN OUR WAR FACTORIES, PROBLEMS OF A NEW NATURE HAVE BEGUN TO MATERIALIZE. THE REMOVAL OF SO MANY YOUNG PEOPLE FROM OUR CITY POPULATION INFLUENCE VERY CONSIDERABLY OUR POPULATION MAKE-UP. THE CONCLUSIONS TO BE DRAWN FROM OUR VITAL STATISTIC FIGURES HAVE THEREFORE TO BE MODIFIED. MORE OF THE OLDER AGE GROUPS THUS MAKE UP OUR POPULATION AS A WHOLE. THIS IS BEING ALREADY SHOWN BY THE SLIGHT RISE IN OUR ANNUAL DEATH RATE FOR 1943. 12.6 PER THOUSAND OF THE POPULATION AS COMPARED WITH A RATE OF 11.9 PER THOUSAND IN 1942. THE EMPLOYMENT OF MORE WOMEN IN OUR FACTORIES HAS BROUGHT WITH IT MANY FAMILY PROBLEMS. THESE HAVE TO DO WITH THE CARE OF THE HOME AND OF CHILDREN AFTER SCHOOL HOURS BEFORE THE MOTHER CAN GET BACK FROM HER WAR JOB. THE CARE OF THE INDUSTRIAL WORKER BECOMES MORE COMPLICATED IN FACTORY MANAGEMENT. THE PROBLEMS OF ABSENTEEISM NATURALLY RANK HIGH IN MAINTAINING EFFICIENT DELIVERY OF WAR MATERIALS.

PROGRAM DEVELOPMENTS IN 1943

DURING THE PAST YEAR, MANY OF OUR FACILITIES WERE GREATLY EXPANDED AND MANY OTHERS WERE MADE AVAILABLE. SEVERAL OF THESE DEVELOPMENTS WERE MADE POSSIBLE WITHOUT PERSONNEL INCREASE, DUE TO A DRASTIC REDUCTION IN CITY DISPENSARY CLINIC DEMANDS. THIS INCLUDED ALL OF THE DOCTORS AND DENTISTS ASSIGNED TO PAROCHIAL SCHOOLS AND THE SEVERAL NURSES ASSIGNED TO CONTAGIOUS DISEASE AND INDUSTRIAL HYGIENE WORK.

A - AN ORDINANCE WHICH WILL UNDOUBTEDLY HELP GREATLY IN SECURING THE REHABILITATION OF DWELLINGS AND THE DEMOLITION OF THOSE FOUND NOT

WORTH REHABILITATION, WAS ADOPTED AND ENFORCEMENT STARTED.

B - TO COMBAT TUBERCULOSIS THROUGH INCREASED AND BETTER EXAMINATION FOR EARLY DETECTION, A COMPLETE X-RAY UNIT AND LABORATORY WAS INSTALLED IN APRIL, 1943. IT TAKES THE INEXPENSIVE 4" X 5" FILM AS WELL AS THE LARGER FILM FOR CASES FOUND SUSPICIOUS.

C - A START WAS MADE TO INCLUDE NURSING INSTRUCTION OF MOTHERS IN CASES OF CHILDHOOD CONTAGION AND PNEUMONIA BY REPLACING INSPECTOR VACANCIES WITH SEVERAL PUBLIC HEALTH NURSES.

D - MEDICAL INSPECTION FOR THE 12,000 PAROCHIAL SCHOOL CHILDREN UNDER OUR SUPERVISION WAS GREATLY AIDED BY ASSIGNING SEVERAL DENTISTS FOR BETTER ROUTINE ORAL EXAMINATIONS. SEVERAL DOCTORS WERE ALSO ADDED TO PROVIDE EXAMINATION BY PHYSICIANS, NOT MERELY IN THE EIGHTH GRADE, AS HERETOFORE, BUT ALSO ALL ENTERING CHILDREN, AGAIN IN THE FOURTH YEAR AND, OF COURSE, BEFORE GRADUATION. PARENTS ARE INVITED TO THESE EXAMINATIONS AND THE RESPONSE, WITH ITS HEALTH EDUCATION OPPORTUNITIES, HAS BEEN EXCELLENT.

E - AN ADDITIONAL NURSE HAS BEEN PLACED IN OUR INDUSTRIAL HYGIENE DIVISION - WE NOW HAVE TWO, AND THE ENGINEER LOANED BY THE GOVERNMENT HAVING LEFT, THE DEPARTMENT HAS ASSIGNED ITS OWN ENGINEER FOR THE INVESTIGATION OF DANGEROUS GASES, AIR CONTAMINATION AND POISONOUS SUBSTANCES. COOPERATION BY INDUSTRY, BOTH MANAGEMENT AND LABOR, HAS BEEN EXCELLENT WITH MORE AND BETTER EATING FACILITIES, FIRST AID CLINICS, MEDICAL AND NURSING SERVICE BEING INSTALLED.

F - TO HANDLE MORE EFFICIENTLY, THE MORE COMPLICATED SOCIAL PROBLEMS CONSTANTLY BEING FOUND BY OUR FIELD WORKERS IN TUBERCULOSIS, CHILD HYGIENE AND VENEREAL DISEASE DIVISIONS PARTICULARLY, A TRAINED SOCIAL SERVICE WORKER WAS SECURED DURING THE YEAR.

G - TO GIVE EXPERT AID TO OUR VARIOUS GROUPS INTERESTED IN NUTRITION, SUCH AS PAROCHIAL SCHOOL NURSES, INDUSTRIAL HYGIENE WORKERS, DISPENSARY CLINICS AND CHILD HYGIENE AND TUBER-

CULOSIS NURSES, A DIETICIAN WAS APPOINTED TO WORK IN COOPERATION WITH THOSE GROUPS. SHE ALSO AIDS IN PREPARING NUTRITION TYPE OF EDUCATION PUBLICITY.

H - IN-SERVICE TRAINING, ESPECIALLY FOR NURSES AND INSPECTORS, WAS GREATLY EXPANDED WITH A BUDGET APPROPRIATION GIVING WORTHWHILE COURSES FOR HEALTH NURSES AT SELTON HALL NURSING COLLEGE AND FOR INSPECTORS IN VARIOUS COLLEGES. THESE ARE MOSTLY NIGHT COURSES OR SUMMER VACATION COURSES. MORE THAN FIFTY NURSES AND INSPECTORS TOOK ADVANTAGE OF THIS PROGRAM. ONE OF OUR MEDICAL STAFF TOOK THE EIGHT WEEKS CONCENTRATED ARMY MEDICAL SCHOOL COURSE ON TROPICAL AND POST-WAR DISEASES AND ANOTHER DOCTOR TOOK THE SPECIAL COURSE ON VENEREAL DISEASE AT THE UNIVERSITY OF MICHIGAN.

I - THIS DEPARTMENT, FOR YEARS SUPPLIED HOME MEDICAL CALLS FOR THE INDIGENT. SUCH CALLS DROPPED CONSIDERABLY DURING THE WAR AND IN NOVEMBER, OUR DIRECTOR, HON. JOHN A. BRADY, APPROVED OF THE MEDICAL SOCIETY RECOMMENDATION WHEREBY RELIEF CLIENTS ARE GIVEN FREE CHOICE OF PHYSICIAN, THE FEE TO BE PAID BY LOCAL AND STATE RELIEF FUNDS.

FOOD RATIONING

THE RATIONING OF FOOD IS, OF COURSE, INEVITABLE IN THE PROSECUTION OF A GREAT WAR. ESSENTIAL FOODS HAVE NOT BEEN CURTAILED TO ANY GREAT EXTENT. THE PEOPLE HAD, OF COURSE, TO PULL IN THEIR BELTS, AND THIS MIGHT NOT BE A BAD THING FOR MANY OF US. SCIENTIFIC AND REASONABLE CONTROL HAS BEEN ACHIEVED OVER LUXURY FOODS WHICH GENERALLY CAN BE DONE WITHOUT. IT IS IMPORTANT, HOWEVER, TO REALIZE THAT ESSENTIAL FOODS HAVE NOT BEEN CUT DOWN TO A DANGEROUS EXTENT. MILK, BUTTER AND FATS GENERALLY SO ESSENTIAL IN THE LIFE OF CHILDREN HAVE NOT BEEN TOO HARD TO OBTAIN. OLDER PEOPLE HAVE NATURALLY GONE WITHOUT, TO KEEP THE CHILDREN PROPERLY FED. THE STANDARD OF NUTRITION HAS BEEN SO FAR WELL MAINTAINED. NURSES IN OUR SCHOOLS AND NUTRITION WORKERS HAVE NOT OBSERVED ANY RISE IN MALNUTRITION IN OUR CHILD POPULATION. THIS WOULD BE ONE OF THE FIRST SIGNS OF A LACK OF PROPER FOOD MATERIALS.

THE PREVALENCE OF DISEASES DUE TO LACK OF NUTRITION HAS NOT BEEN MARKED. ON THE OTHER HAND, THERE HAS BEEN A STEADY REDUCTION IN THE DEATHS FROM TUBERCULOSIS IN THE AGE GROUPS 15 TO 45 YEARS. INASMUCH AS THE NUMBER OF CASES REPORTED IN THE YOUNG ADULT GROUP HAS NOT DECREASED, THIS CLEARLY SHOWS THAT PATIENTS, BY BETTER CARE AND CONTROL, LIVE MANY YEARS LONGER THAN HERETOFORE.

IMMUNIZATION HAS PRACTICALLY ELIMINATED DIPHTERIA

TWENTY-FIVE YEARS AGO, THERE WERE REPORTED 874 CASES AND 82 DEATHS FROM DIPHTERIA IN ONE YEAR. IN THE PAST FOUR YEARS IN THE CITY, ONLY

6 CASES AND ONE DEATH WERE REPORTED FROM THIS DISEASE. WE ARE PROUD TO REPORT THAT 3,074 PRE-SCHOOL CHILDREN RECEIVED THE FULL COURSE OF THREE INJECTIONS FOR WHOOPING COUGH AND DIPHTERIA DURING THE YEAR. IN THE PAST TWO YEARS, 7,897 CHILDREN WERE SO PROTECTED. IT IS TOO EARLY TO GUARANTEE WHAT THE RESULTS WILL BE IN OUR CAMPAIGN FOR WHOOPING COUGH PROTECTION. THE MAJOR VALUE OF THE TREATMENT IS TO REDUCE SEVERITY, BUT INDICATIONS ARE THAT IT WILL ALSO REDUCE INCIDENCE.

HOUSING AND OVER-CROWDING

THE PROBLEM OF OUR HOUSING WAS FORCIBLY BROUGHT TO OUR ATTENTION BY THE REMOVAL OF THE OFFICE OF DEPENDENCY BENEFITS FROM WASHINGTON TO NEWARK. IT WAS VIRTUALLY IMPOSSIBLE TO FIND HOUSING OR ACCOMMODATION FOR THE 10,000 EMPLOYEES OF THIS GOVERNMENT DEPARTMENT. THE MAJORITY HAD TO GO OUTSIDE THE CITY TO FIND ANY SUITABLE PLACES TO LIVE.

THE SITUATION WITH REGARDS TO HOUSING IS ACUTE AT THIS TIME. THE INFLUX OF WAR WORKERS TO THE NEW PLANTS HAS PLACED SUITABLE HOUSES AND ROOMS AT A PREMIUM IN THE CITY. IN THE CITY, EXIST MANY THOUSANDS OF SUBSTANDARD HOUSES. IN THE MAJORITY OF CASES, THESE ARE IN THE LAST STAGES OF DILAPIDATION AND STRUCTURAL DISREPAIR. IT IS TRUE THAT SOME OF THESE BUILDINGS COULD BE SALVAGED FOR RESIDENCE PURPOSES IF THE OWNER WERE WILLING TO MAKE THE NECESSARY EXPENDITURE ON THEM. TO INSTITUTE SUCH A PROGRAM OF SALVAGE, THE CITY COMMISSION AT THE REQUEST OF DIRECTOR JOHN A. BRADY, ADOPTED AN ORDINANCE WHICH CREATED THE OFFICE OF SUPERVISOR OF REHABILITATION OF BUILDINGS.

THE HEALTH OFFICER OF THE CITY WAS SO DESIGNATED. HE WAS AUTHORIZED AND INSTRUCTED TO MAKE A SURVEY OF ALL BUILDINGS THAT WERE IN A STATE OF DILAPIDATION AND, WHERE SUCH EXISTED, TO REQUIRE THE OWNER TO DEMOLISH THEM OR TO REHABILITATE THEM FOR MODERN LIVING CONDITIONS. WHERE THE COST OF REHABILITATION EXCEEDS FIFTY PERCENT OF THE ASSESSED VALUATION, THE BUILDING MUST BE DEMOLISHED.

THIS IS A LONG RANGE PLAN BUT, AT LEAST, WILL REMOVE SOME OF THE SLUM PROPERTIES THAT ARE AT PRESENT AN EYE-SORE TO OUR CITY.

LACK OF HEAT

THE YEAR 1943 WITNESSED CONSIDERABLE HARDSHIPS AMONG MANY OF OUR HOME OWNERS IN THEIR INABILITY TO OBTAIN SUFFICIENT FUEL TO PROPERLY HEAT THEIR PREMISES. IN THE EARLY PART OF THE YEAR, MANY PLACES USING OIL CONVERTED TO SOLID FUEL AT THE REQUEST OF THE AUTHORITIES. THEN CAME THE SHORTAGE OF COAL IN THE FALL OF 1943 WITH HUNDREDS OF OUR HOMES BEING WITHOUT ANY SUPPLY FOR THE WINTER. ONLY COAL IN ONE-TON LOTS COULD BE OBTAINED FOR THE LARGE USERS, FOR THOSE HEATING WITH COAL STOVES, FIVE MUNICIPAL

COAL STATIONS WERE ESTABLISHED, WHERE COAL COULD BE BOUGHT IN BUSHEL LOTS AT COST PRICE. THERE IS NO DOUBT THAT HARDSHIPS EXISTED IN THE FAILURE TO HEAT BUILDINGS, ESPECIALLY WHERE CHILDREN AND OLD PEOPLE LIVE, BUT ON THE WHOLE, SUFFICIENT COAL WAS AVAILABLE IF THE APPLICANT WERE WILLING TO USE BITUMINOUS COAL OR COKE.

INASMUCH AS ANTHRACITE HAD BEEN USED IN THE PAST, IT REQUIRED CONSIDERABLE PERSUASION AND EDUCATION TO MAKE THE AVERAGE CITIZEN SEE THE NEED FOR CHANGING THE METHOD OF HEATING HIS HOME. THERE IS NO DOUBT THAT THIS LACK OF HEAT HAD A LOT TO DO WITH THE WAVE OF GRIPPE AND COLDS EXPERIENCED DURING DECEMBER, 1943.

GENERAL MORTALITY

CRUDE DEATH RATE

12.6 PER 1,000

INCREASE OF 446. THE GENERAL CRUDE DEATH RATE WAS 12.6 PER 1,000 POPULATION, AN INCREASE OF 7 POINTS OVER THE PREVIOUS YEAR.

ADJUSTED RATE

11.5 PER 1,000

THE NUMBER OF DEATHS RECORDED IN NEWARK FOR 1943 NUMBERED 5,702 AS COMPARED WITH 5,256 FOR 1942, AN INCREASE OF 446. THE GENERAL CRUDE DEATH RATE WAS 12.6 PER 1,000 POPULATION, AN INCREASE OF 7 POINTS OVER THE PREVIOUS YEAR.

INASMUCH AS NEWARK IS A HOSPITAL CENTER FOR THE COUNTY OF ESSEX, THE DEATHS OF NON-RESIDENTS IN THE CITY FAR OUTNUMBERED THE DEATHS OF NEWARKERS OCCURRING OUTSIDE THE CITY. SUBTRACTING THE 338 NON-RESIDENT DEATHS DURING 1943 AND ADDING 179 DEATHS OF NEWARKERS KNOWN TO HAVE DIED ELSEWHERE, WE HAVE AN ADJUSTED TOTAL OF 5,043 DEATHS AND AN ADJUSTED DEATH RATE OF 11.5 PER 1,000.

CRUDE AND ADJUSTED DEATH RATES *

YEAR	POPULATION *	CRUDE DEATHS	CRUDE DEATH RATE	ADJUSTED DEATHS	ADJUSTED DEATH RATE
1935	455,000	4,806	10.6	4,411	9.7
1936	457,000	5,108	11.2	4,714	10.3
1937	458,000	5,061	11.0	4,600	10.1
1938	458,000	5,116	10.9	4,480	9.8
1939	459,000	4,855	10.6	4,384	9.6
1940	429,000	5,025	11.7	4,762	11.1
1941	429,000	5,127	11.6	4,415	10.3
1942	429,000	5,256	11.9	4,659	10.8
1943	440,000	5,702	12.6	5,043	11.5

* OVER-ESTIMATION OF POPULATION AS SHOWN BY THE 1940 CENSUS NATURALLY MADE ESTIMATED RATES MUCH LOWER THAN IF ESTIMATE HAD BEEN CORRECT.



PRINCIPAL CAUSES OF DEATH

ORGANIC HEART DISEASE

ORGANIC HEART DISEASE AGAIN TOPS THE LIST. BY FAR, THE MOST OUTSTANDING CAUSE OF DEATH FOR 1943 WAS ORGANIC HEART DISEASE WITH 1,975 DEATHS, AS COMPARED WITH 1,756 DEATHS FROM THIS CAUSE IN 1942 AND 1,530 IN 1941, BOTH THESE FIGURES BEING THE HIGHEST RECORDED FOR EACH YEAR. THE DEATHS IN 1943 NEARLY DOUBLED THE NUMBER RECORDED NINE YEARS AGO.

MANY THEORIES HAVE BEEN ADVANCED TO ACCOUNT FOR THE TREMENDOUS INCREASE IN DEATHS FROM ORGANIC HEART DISEASE. THERE IS NO DOUBT THAT THE GREATLY INCREASED STRESSES AND STRAINS OF MODERN LIFE HAVE HAD A GREAT INFLUENCE UPON THIS INCREASE. ADMITTEDLY, ORGANIC HEART DISEASE IS ONE OF THE DEGENERATIVE DISEASES THAT AFFECT THE INDIVIDUAL AS AGE ADVANCES. THE INDIVIDUAL MEMBERS OF THE POPULATION ARE LIVING TO A GREATER AGE THAN FORMERLY AS IS SHOWN BY THE STEADILY DECREASING DEATHS UNDER 65 YEARS OF AGE. TWENTY-FIVE YEARS AGO, ONLY 18% OF OUR NEWARK DEATHS HAD REACHED 65 YEARS. TO-DAY, THIS PROPORTION HAS REACHED ALMOST 40%.

CANCER

CANCER OR MALIGNANT TUMOR, THE SECOND LARGEST CAUSE OF DEATH HAS BEEN INCREASING WITH THE YEARS BUT NOT AT THE SAME RATE AS ORGANIC HEART DISEASE. THE DEATHS FROM THIS CAUSE NUMBERED 655 IN 1943, AN INCREASE OF 54 DEATHS AS COMPARED WITH 1942. FOR THE PAST FIVE YEARS, THE TOTAL DEATHS FROM CANCER HAS VARIED FROM 630 TO 660. THE GREATEST MORTALITY IS FROM 45 TO 64 YEARS OF AGE, AND MOST OF THE REMAINDER OVER 65 YEARS OF AGE. CANCER AS A CAUSE OF DEATH IS MUCH IN NEED OF MORE PUBLIC EDUCATION IN THE VALUE OF EARLIER DIAGNOSIS AND OPERATION WITH THE USE OF RADIUM FOR SUITABLE CASES.

APOPLEXY

THERE WAS A SLIGHT INCREASE IN THE DEATHS FROM APOPLEXY RECORDED FOR 1943, 431 DEATHS AS COMPARED WITH 425 IN 1942. WE MUST EXPECT AN INCREASE FROM THIS CAUSE OF DEATH AS THE ANXIETIES AND DEPRESSIONS OF THE WAR DEVELOP.

BRIGHT'S DISEASE

THERE WAS AGAIN AN INCREASE IN THE DEATHS FROM BRIGHT'S DISEASE FOR THE YEAR, 276 AS COMPARED WITH 223 IN 1942. THIS INCREASE FOR THE LAST THREE YEARS FOLLOWED A RECORD OF STEADILY DECREASING DEATHS WHICH REACHED A NEW LOW IN 1940 WITH ONLY 124 DEATHS FROM THIS CAUSE, ALMOST HALF OF THESE DEATHS WERE OVER 65 YEARS OF AGE.

TUBERCULOSISDEATH RATE SLIGHTLY INCREASED

THE DEATHS FROM TUBERCULOSIS FOR 1943 NUMBERED 294, AN INCREASE OF 33 DEATHS OVER 1942 AND MAKING A RATE OF 66.8 PER 100,000 POPULATION. THIS IS A CONTINUATION OF THE UPWARD TREND OF MORTALITY FROM THIS CAUSE SINCE THE LOW RECORD MORTALITY IN 1939, WHEN THE RATE WAS 60.3 PER 100,000. THERE WERE 117 NEGRO DEATHS FROM THIS CAUSE IN 1943, MAKING A RATE OF 243.7 PER 100,000 UPON AN ESTIMATED NEGRO POPULATION OF 48,000.

PNEUMONIA

DEATHS FROM PNEUMONIA OF BOTH TYPES NUMBERED 328, AN INCREASE OF 82 DEATHS OVER 1942. DEATHS FROM THIS CAUSE ARE USUALLY MUCH AFFECTED BY THE PREVALENCE OF EPIDEMIC DISEASES SUCH AS MEASLES AND WHOOPING COUGH AMONG CHILDREN. THE USE OF SULFA DRUGS HAS CONSIDERABLY REDUCED THE MORTALITY FROM PNEUMONIA DURING THE LAST TEN YEARS AS IS SHOWN IN THE FOLLOWING TABLE:

DEATHS FROM PNEUMONIA -	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934
	328	246	244	194	231	312	429	419	982	360

MATERNAL MORTALITYLOWEST ON RECORD

THERE WERE 18 DEATHS OF MOTHERS IN CHILD BIRTH, 4 LESS THAN FOR THE PREVIOUS YEAR WHICH WAS A RECORD LOW. OUR MATERNAL MORTALITY RATE WAS 1.5 PER 1,000 DELIVERIES, LIVE AND STILLBIRTHS. THIS IS OUR LOWEST RATE ON RECORD.

MATERNAL DEATHS BY CAUSES

	1939	1940	1941	1942	1943
TOTAL DEATHS - - - - -	30	29	26	22	18
PUERPERAL SEPTICAEMIA - - - - -	5	3	5	2	4
ECTOPIC PREGNANCY - - - - -	1	2	2	2	-
CAESARIAN SECTION - - - - -	3	8	1	3	3
SELF-INDUCED ABORTION - - - - -	5	-	-	-	-
SPONTANEOUS ABORTION - - - - -	3	-	2	2	-
ECLAMPSIA - - - - -	2	2	5	1	2
OTHER ACCIDENTS OF PREGNANCY - - - - -	8	-	1	-	4
PLACENTA PRAEVIA - - - - -	-	2	2	-	0
POST PARTUM HEMORRHAGE - - - - -	2	4	2	4	2
ACCIDENTAL ABORTIONS - - - - -	1	4	-	-	-
SHOCK FORCED DELIV. BREECH PRESENT. - - - - -	-	3	1	-	1
TOXEMIA OF PREGNANCY - - - - -	-	2	3	-	-
CRIMINAL ABORTION (NOW CLASSIFIED AS PUERPERA) - - - - -	-	-	2	2	1
CARDIAC FAILURE PREGNANCY - - - - -	-	-	-	4	-
LOBAR PNEUMONIA - - - - -	-	-	-	1	-
PULMONARY EMBOLISM - - - - -	-	-	-	1	1
MATERNAL MORTALITY PER 1,000 DELIVERIES - - - - -	3.7	3.3	2.6	1.8	1.5

ACCIDENTAL DEATHS

THERE WERE 304 ACCIDENTAL DEATHS RECORDED IN THE CITY IN 1943, AN INCREASE OF 33 OVER THE PREVIOUS YEAR. DEATHS FROM AUTOMOBILES NUMBERED 90, AND WERE THE HIGHEST CAUSES OF FATALITY. ACCIDENTAL FALLS WERE RESPONSIBLE FOR 87 DEATHS, THE MAJORITY WERE INCLUDED IN AGES OVER 20 YEARS, ONLY 4 BEING RECORDED UNDER THIS AGE. ACCIDENTAL BURNS SHOWED AN INCREASE OF 3, MOSTLY UNDER 20 YEARS OF AGE. DEATHS FROM ILLUMINATING GAS POISONING NUMBERED 23, AN INCREASE OF 7 OVER THE PREVIOUS YEAR. THERE CAN BE NO DOUBT THAT THESE DEATHS ARE DUE TO CARELESSNESS IN THE USE OF GAS FIXTURES PRINCIPALLY IN ROOMING HOUSES, PARTICULARLY WHERE GAS STOVES ARE USED FOR HEATING PURPOSES IN BEDROOMS. THIS IS A REPREHENSIBLE AND DANGEROUS PRACTICE AND SHOULD BE FORBIDDEN BY LAW. SOMETHING HAS BEEN DONE BY REQUIRING THAT ALL GAS APPARATUS BE CONNECTED WITH PERMANENT METAL CONNECTION IN PLACE OF THE PREVIOUS POROUS RUBBER OR FIBER CONNECTIONS.

ACCIDENT TABLE 1943

CAUSE OF ACCIDENT	TOTALS					MALES					FEMALES				
	ALL	UND	5	20	60	ALL	UND	5	20	60	ALL	UND	5	20	60
	AGES	5	TO	TO	+	AGES	5	TO	TO	+	AGES	5	TO	TO	+
	YRS	19	59	OVER		YRS	19	59	OVER		YRS	19	59	OVER	
AUTOMOBILES	90	6	13	40	31	74	4	11	33	26	16	2	2	7	5
ACCIDENTAL FALLS	87	3	1	25	58	56	2	1	19	34	31	1	-	5	25
ACCIDENTAL BURNS	19	3	2	8	6	11	2	1	5	3	8	1	1	3	3
ASPHYX-BED CLOTHES	6	6	-	-	-	4	4	-	-	-	2	2	-	-	-
ALCOHOLISM	8	-	-	7	1	6	-	-	5	1	1	-	-	-	1
CRUSHING	2	-	-	2	-	2	-	-	2	-	-	-	-	-	-
CONFLAGRATION	9	-	-	7	2	3	-	-	3	-	6	-	-	4	2
DROWNING	13	-	6	4	3	12	-	5	4	3	1	-	1	-	-
EXPOSURE TO COLD	1	-	-	1	-	1	-	-	1	-	-	-	-	-	-
ELECTROCUTION	1	-	-	1	-	1	-	-	1	-	-	-	-	-	-
EXPLOSION IN FACTORY	1	-	-	1	-	1	-	-	1	-	-	-	-	-	-
HORSE DRAWN VEHICLE	1	-	-	-	1	1	-	-	-	1	-	-	-	-	-
HEAT EXHAUSTION	4	-	-	3	1	2	-	-	2	-	2	-	-	1	1
ILLUMINATING GAS ACCI.	23	2	-	11	10	16	2	-	6	8	7	-	-	5	2
RAILROAD ACCIDENT	6	-	1	5	-	6	-	1	5	-	-	-	-	-	-
TROLLEY CAR ACCIDENT	3	-	1	1	1	3	-	1	1	1	-	-	-	-	-
ACCIDENTAL SHOOTING	1	-	1	-	-	1	-	1	-	-	-	-	-	-	-
OTHER FRACTURES	11	-	-	6	5	8	-	-	6	2	3	-	-	-	3
OTHER ACCIDENTS	18	8	1	5	4	9	5	-	2	2	10	3	1	3	3
TOTALS	304	28	26	127	123	217	19	21	96	81	87	9	5	28	45

INFANT MORTALITY-30.9

THERE WERE 367 DEATHS OF INFANTS UNDER ONE YEAR OF AGE, MAKING AN INFANT MORTALITY RATE OF 30.9 PER 1,000 LIVING BIRTHS. THIS IS AN INCREASE OF 1.6 IN THE RATE FOR MORTALITY AMONG INFANTS UNDER ONE YEAR OF AGE. WHEN CHILD HYGIENE WORK WAS COMPLETED IN THE CITY 28 YEARS AGO, THE RATE WAS MORE THAN 100 DEATHS UNDER ONE YEAR PER 1,000 LIVE BIRTHS. THAT RATE FIRST FELL BELOW 70 IN 1923. BELOW 60 IN 1929, BELOW 50 IN 1932 AND BELOW 40 IN 1937.

DEATHS UNDER ONE MONTH NUMBERED 255 OR 21.5 PER 1,000 BIRTHS.

STILLBIRTHS PER 1,000 DELIVERIES WERE 311 OR 25.5 PER 1,000 BIRTHS.

DIARRHOEA WHICH CAUSED 250 INFANT DEATHS EACH YEAR ONLY 25 YEARS AGO, WAS GIVEN AS THE CAUSE OF DEATH IN ONLY 14 DEATHS UNDER ONE YEAR IN 1943. THE DEATHS FROM PNEUMONIA WERE THE SAME AS IN THE PREVIOUS YEAR WITH 41 DEATHS. DEATHS FROM CONGENITAL DEBILITY STILL RECORDED A HIGH OF 255 ALTHOUGH FIVE LESS THAN FOR 1942. THERE WERE NO DEATHS FROM MEASLES ALTHOUGH THE FIVE DEATHS FROM MENINGITIS WERE 2 MORE THAN IN 1942.

BIRTH STATISTICS

BIRTH RATE: 26.9
PER 1,000 POPULATION

THE NUMBER OF BIRTHS RECORDED IN THE CITY DURING 1943 NUMBERED 11,856 AND MAKING A RATE OF 26.9 PER 1,000 POPULATION. THIS IS A MUCH HIGHER RATE THAN FOR THE PRE-WAR YEARS, ALTHOUGH IT DOES NOT EQUAL THE 28.0 RATE FOR 1942, WHICH WAS A RECORD HIGH FOR NEWARK IN 22 YEARS. THE SUDDENESS OF THIS INCREASE IN BIRTHS IS SHOWN BY THE FIGURES FOR THE PAST FIVE YEARS.

YEAR	BIRTHS	RATE
1939	7,950	17.3
1940	8,538	19.9
1941	9,765	22.8
1942	12,016	28.0
1943	11,856	26.9

(THIS IS AN INCREASE OF
OVER 50% IN FIVE YEARS)

BIRTHS DATA 1943

TOTAL BIRTHS	11,856	WHITE	10,610	STILLBIRTHS	311
MALES	6,181	COLORED	1,242	ILLEGITIMATE	305
FEMALES	5,675	YELLOW	4		

YEAR	TOTAL BIRTHS	BIRTH RATE	PHYSICIAN DEL.	AT HOME	HOSPITAL DELIV.	MIDWIFE DEL. HOME
1943	11,856	26.9	432		11,230	194
1942	12,016	28.0	376		11,479	161
1941	9,765	22.8	325		9,282	158
1940	8,538	19.9	401		7,952	185
1939	7,950	17.3	401		7,315	234
1938	7,936	17.3	546		7,106	283
1937	7,659	16.7	603		6,682	374
1936	7,236	15.8	778		6,025	433
1935	7,638	16.8	1047		6,076	515
1934	7,565	16.7	1082		5,858	625

NEGRO HEALTH STATISTICS

ESTIMATED POPULATION 48,000

THE ESTIMATED NEGRO POPULATION FOR THE CITY IS 48,000, BASED UPON A UNITED STATES CENSUS RELEASE IN 1940. DURING THE YEAR, 729 DEATHS WERE RECORDED AMONG THE COLORED, MAKING A DEATH RATE OF 15.2 PER 1,000. THIS IS A DECREASE OF 8 POINTS IN THE RATE ESTABLISHED FOR 1942.

THE BIRTHS NUMBERED 1,242 IN 1943, MAKING A BIRTH RATE OF 25.9 PER 1,000 POPULATION. THE DEATHS OF INFANTS UNDER ONE YEAR NUMBERED 74 AND AN INFANT MORTALITY RATE OF 59.6 PER 1,000 BIRTHS. THE DEATHS AMONG NEGROES FROM TUBERCULOSIS FOR 1943 NUMBERED 117, MAKING A RATE OF 243.7 PER 100,000.

THE NUMBER OF DEATHS FROM THIS CAUSE IN 1942 WAS 110 AND THE RATE 244.4 PER 100,000. THE DEATHS FROM PNEUMONIA STILL REMAIN HIGH AMONG THIS GROUP, THE RATE BEING 119.7, AS COMPARED WITH 6.0 AMONG THE WHITES. THERE WAS ONLY ONE DEATH FROM PUERPERAL SEPTICAEMIA DURING THE YEAR AS COMPARED WITH FIVE IN 1941 AND TEN IN 1940.

CONTAGIOUS DISEASE(SEE REPORT OF COMMUNICABLE DISEASE
DIVISION FOR MORBIDITY TABLE)

THERE WERE 37, 77 CASES OF COMMUNICABLE DISEASES REPORTED IN THE CITY DURING 1943. THIS IS AN INCREASE OF 210 CASES OVER THE PREVIOUS YEAR. THE EPIDEMIC DISEASES OF CHILDREN WERE PREDOMINANT IN THE INCREASE OF REPORTED CASES. GERMAN MEASLES WITH 9, 13 CASES WAS AN INCREASE OF 8, 734 OVER THE PREVIOUS YEAR 1942. CHICKEN-POX ALSO SHOWED A LARGE INCREASE, THE 4, 484 CASES REPORTED BEING AN INCREASE OF 1, 527 CASES MORE THAN IN 1942. THE 3, 094 CASES OF MUMPS REPORTED WAS AN INCREASE OF 2, 516 CASES OVER THE PREVIOUS YEAR. THE 1, 987 CASES OF MEASLES REPORTED WAS AN INCREASE OF 882 CASES MORE THAN IN 1942. THESE FOUR DISEASES WERE RESPONSIBLE FOR 26, 665 REPORTED CASES THROUGHOUT THE YEAR. THE 1, 058 CASES OF WHOOPING COUGH REPORTED, WAS 446 LESS THAN IN 1942. THE USE OF THE COMBINED VACCINE FOR DIPHTHERIA AND WHOOPING COUGH IN 1943, HAS PROBABLY BEGUN TO PLAY A LARGE PART IN THE REDUCTION OF THE PREVALENCE OF WHOOPING COUGH AMONG OUR YOUNG CHILDREN.

EPIDEMIC MENINGITIS

THERE WAS A MARKED INCREASE IN CASES OF EPIDEMIC MENINGITIS REPORTED DURING 1943. THE 136 CASES WERE 100 MORE THAN IN 1942. THE MORTALITY IN THIS DISEASE IS HIGH AND THE RATE FOR 1943 WAS 27%.

DIPHTHERIA

THERE WERE 4 CASES OF DIPHTHERIA IN NEWARK DURING 1943. THIS IS AN UNUSUAL EVENT IN OUR HIGHLY IMMUNIZED CHILD POPULATION. THESE CASES, HOWEVER, CAME FROM OUT OF TOWN AND WERE AMONG NON-IMMUNIZED CHILDREN.

TYPHOID FEVER

THERE WAS A SLIGHT INCREASE IN CASES OF TYPHOID FEVER REPORTED DURING 1943. THE EIGHT CASES REPORTED WERE AN INCREASE OF 3 MORE THAN IN 1942. THERE WERE, HOWEVER, NO DEATHS REPORTED FROM THIS CAUSE.



EXECUTIVE DIVISION

ROBERT F. MORGAN, SECOND ASSISTANT HEALTH OFFICER.

THE EXECUTIVE DIVISION PROVIDES THE GENERAL ADMINISTRATIVE FUNCTIONS OF THE DEPARTMENT FOR THE HEALTH OFFICER. THIS INCLUDES ACCOUNTING, VITAL STATISTICS, PUBLIC CITY AND HEALTH EDUCATION, PERSONNEL RECORDS AND ASSIGNMENT, CLEANING AND MAINTENANCE, PRINTING AND MOUNTING, MONTHLY AND ANNUAL REPORTS AND PAROCHIAL SCHOOL MEDICAL INSPECTION.

HEALTH EDUCATION

HEALTH EDUCATION WORK INCREASED CONSIDERABLY DURING THE PAST YEAR, PARTICULARLY IN THE FIELD OF VISUAL EDUCATION THROUGH MOVING PICTURES AND SLIDES ON THE WORK OF THE DEPARTMENT. THESE SLIDES AND A SPECIAL ONE-HOUR LECTURE WERE GIVEN TO MANY TYPE GROUPS INCLUDING GRAMMAR SCHOOLS. REPORT IS INCLUDED HEREWITH.

LEGAL CASES

DURING THE PAST YEAR THE HANDLING OF COURT CASES HAS BEEN GREATLY FACILITATED BY THE SERVICES OF AN INSPECTOR WHO HAPPENS TO BE A QUALIFIED LAWYER. HE NOT ONLY COOPERATES WITH THE CITY LAW DEPARTMENT WHICH OFFICIALLY HANDLES ALL CITY WORK, BUT IS PRESENT AT ALL DIVISIONAL HEARINGS. EACH INSPECTIONAL DIVISION HOLDS WEEKLY HEARINGS BEFORE THE HEALTH OFFICER AT WHICH INSPECTORS AND INTERESTED INDIVIDUALS AND VIOLATORS ARE PRESENT. THESE CASES ARE DISCUSSED AND DECISION MADE BY THE HEALTH OFFICER. VERY OFTEN, THESE ARE LANDLORD AND TENANT CASES OR DISPUTING NEIGHBORS. COMPROMISES ARE MADE AND EXTENSIONS OF TIME GRANTED IF WARRANTED. THE NUMBER OF CASES REFERRED FOR COURT ACTION FORM A VERY SMALL NUMBER AS A RESULT OF THIS ARRANGEMENT.

CLEANING AND MAINTENANCE

THE CLEANING AND MAINTENANCE OF HEALTH QUARTERS IS UNDER SUPERVISION OF THE EXECUTIVE DIVISION. IN ADDITION TO THE MAIN BUILDING AND TWO ANNEXES THE DEPARTMENT HAS 22 OUTSIDE CLINICS USED MAINLY FOR BABY-KEEP-HELL STATIONS BUT, ALSO IN A FEW OF THEM, FOR TUBERCULOSIS EXAMINATIONS, PRE-NATAL CLINICS AND DENTAL CLINICS.

PAROCHIAL SCHOOL MEDICAL INSPECTION

THE MEDICAL INSPECTION OF PUBLIC SCHOOL CHILDREN IS UNDER THE SUPERVISION OF THE BOARD OF EDUCATION. THIS WORK IN PAROCHIAL SCHOOLS IS PROVIDED BY THE HEALTH DEPARTMENT WITH A SUPERVISING NURSE AND A STAFF OF 14 HEALTH NURSES. A SPECIAL REPORT IS INCLUDED IN THIS SECTION.

VITAL STATISTICS & FINANCE

IMMEDIATELY FOLLOWING ARE THE FINANCIAL STATEMENT AND THE VITAL STATISTICS TABLES OF MAJOR PUBLIC HEALTH INTEREST, TOGETHER WITH SEVERAL DIAGRAMMATIC CHARTS SHOWING THE MORE NOTICEABLE TRENDS IN BOMB DEATH AND MORTALITY.



FINANCIAL STATEMENT

RECEIPTS	1938	1939	1940	1941	1942	1943
CHICKEN SLAUGHTERHOUSE PERMITS - - -	1,010.00	1,940.00	910.00	870.00	780.00	690.00
ICE LICENSES - - - - -	938.00	1,054.00	937.00	733.00	593.50	274.00
MILK LICENSES - - - - -	5,642.00	5,712.00	5,586.00	5,354.50	4,944.50	4,467.50
PLUMBING PERMITS - - - - -	4,630.50	6,364.50	5,735.50	5,99.00	2,648.00	2,360.50
PLUMBING LICENSES - - - - -	2,370.00	2,530.00	2,460.00	2,485.00	2,352.00	2,450.00
SUNDRIES - - - - -	1,578.86	2,785.84	2,378.81	1,778.46	2,140.40	1,418.00
	\$16,169.36	20,286.34	18,107.31	16,419.96	13,455.40	11,650.00
DISBURSEMENTS						
LABORATORY - - - - SALARIES - - -	24,175.84	26,628.76	22,409.60	23,707.00	25,128.00	34,395.00
" - - - - SUPPLIES - - -	3,204.50	2,387.65	1,999.20	2,800.00	2,850.20	3,295.00
DISPENSARY - - - - SALARIES - - -	75,004.51	88,301.61	104,339.27	110,649.00	14,781.00	113,37.00
" - - - - SUPPLIES - - -	21,659.67	27,252.37	25,582.86	25,250.00	19,562.92	15,430.00
VENEREAL - - - - SALARIES - - -	50,383.94	40,720.80	49,215.00	59,396.00	58,962.96	57,573.00
" - - - - SUPPLIES - - -	1,750.62	10,869.74	11,199.00	10,170.00	8,497.70	7,16.00
SANITARY - - - - SALARIES - - -	92,903.93	92,503.12	93,294.05	97,045.00	92,774.00	62,676.00
" - - - - SUPPLIES - - -	3,076.33	5,630.32	2,329.00	3,200.00	6,755.25	5,416.00
DISTRICT DOCTORS - - SALARIES - - -	17,607.86	16,487.96	22,386.23	23,521.00	20,936.42	23,700.00
CHILD HYGIENE - - - SALARIES - - -	39,330.89	42,395.97	49,670.00	51,866.00	52,452.29	64,997.00
" - - - - SUPPLIES - - -	7,839.82	8,687.22	9,016.00	10,150.00	11,895.32	1,077.00
INDUSTRIAL HYGIENE - SALARIES - - -	--	--	--	--	--	33,78.00
" - - - - SUPPLIES - - -	--	--	--	--	--	435.00
LABOR BROTHERS HOME - COSTS - - -	10,355.07	9,069.59	8,257.00	--	--	--
TUBERCULOSIS - - - SALARIES - - -	24,759.36	26,079.36	24,435.00	25,384.00	21,120.00	32,529.00
" - - - - SUPPLIES - - -	394.27	594.34	400.00	720.00	7,811.30	38.00
EXECUTIVE - - - - SALARIES - - -	42,827.33	42,246.80	49,112.00	53,470.00	52,677.00	58,18.00
" - - - - SUPPLIES - - -	12,394.09	14,297.47	16,435.00	16,533.00	19,304.19	18,443.00
FOOD & DRUG - - - SALARIES - - -	12,517.60	67,237.26	70,525.00	75,132.00	72,252.00	70,600.00
" - - - - SUPPLIES - - -	3,315.47	3,129.23	3,378.00	3,300.00	2,263.89	2,139.00
VETERINARY - - - SALARIES - - -	26,572.40	28,019.12	29,369.40	33,007.00	33,390.52	35,010.00
" - - - - SUPPLIES - - -	480.50	478.87	363.82	429.00	214.00	581.00
PLUMBING - - - - SALARIES - - -	22,025.83	21,870.00	22,487.00	21,761.00	22,245.00	21,127.00
" - - - - SUPPLIES - - -	889.40	351.20	613.00	530.00	126.83	460.00
CONTAGIOUS - - - SALARIES - - -	18,802.37	4,964.47	58,184.95	60,033.00	64,865.20	62,322.00
" - - - - SUPPLIES - - -	1,754.25	4,749.13	3,759.00	3,500.00	3,919.00	2,367.00
PAROCHIAL SCHOOLS - SALARIES - - -	22,832.92	22,302.73	22,140.00	22,670.00	24,354.00	26,300.00
" - - - - SUPPLIES - - -	117.72	269.85	439.00	340.00	1,551.94	355.00
OCCUPATIONAL - - - SALARIES - - -	11,600.00	12,996.68	22,795.00	18,160.00	21,600.00	24,446.00
" - - - - SUPPLIES - - -	4,715.51	6,419.12	5,966.00	4,400.00	3,575.55	435.00
SUMMARY TOTAL - - - SALARIES - - -	\$563,437.69	579,706.44	640,366.51	674,701.00	679,704.33	722,163.00
" - - - - SUPPLIES - - -	\$79,746.10	88,265.30	84,363.45	81,242.00	93,916.67	70,105.00
GRAND TOTAL	\$643,243.79	667,971.74	724,729.95	756,243.00	772,621.00	792,172.00

10

ORGANIZATION

AND

RECENT DEVELOPMENT

OF

NEWARK'S HEALTH DEPARTMENT

UNDER COMMISSION GOVERNMENT, THE DIRECTOR OF PUBLIC AFFAIRS IS IN IMMEDIATE CHARGE OF THE HEALTH DEPARTMENT, CITY HOSPITAL AND THE VARIOUS WELFARE DEPARTMENTS.

THE FIVE CITY COMMISSIONERS, INCLUDING THE DIRECTOR OF PUBLIC AFFAIRS, ACT AS THE BOARD OF HEALTH WITH POWER TO ADOPT HEALTH ORDINANCES, APPROPRIATIONS, CONFIRM APPOINTMENTS, ETC.

THE HEALTH OFFICER IS EXECUTIVE HEAD, AND LIKE ALL OTHER DEPARTMENT EMPLOYEES, HAS CIVIL SERVICE TENURE OF OFFICE.

THE DEPARTMENT WAS ORGANIZED ABOUT 61 YEARS AGO BUT RAPID DEVELOPMENT STARTED APPROXIMATELY TWENTY-FIVE YEARS AGO.

DEVELOPMENT	1910	1920	1930	1943
HEALTH EXPENDITURES	\$107,500	\$280,000	\$506,000	\$791,000
POPULATION	347,000	414,000	442,000	440,000
PER CAPITA COST - INCLUDING DISPENSARY	\$0.31	\$0.67	\$1.14	* \$1.80
NUMBER OF EMPLOYEES	73	157	247	405
CRUDE DEATH RATE (PER M)	16.6	13.4	11.9	12.6
BIRTH RATE (PER M)	29.6	28.3	22.2	26.9
TYPHOID MORTALITY (PER CM)	12.7	1.9	0.2	NONE
DIPHTHERIA MORTALITY (PER CM)	29.9	14.9	10.9	0.2
SCARLET FEVER MORTALITY (PER CM)	11.2	12.1	0.7	NONE
TUBERCULOSIS MORTALITY (PER CM)	233.7	130.4	101.1	66.8
DIARRHOEA MORTALITY (UNDER 5) (PER CM)	107.2	35.3	10.2	3.4
WHOOPING COUGH FATALITY (DEATH PER M CASES)	19	14	8	.4
INFANT MORTALITY (UNDER 1 YR) (PER M BIRTHS)	123.0	84.0	52.3	30.9

* INASMUCH AS APPROXIMATELY \$160,000 IS FOR INDIGENT MEDICAL CARE, BALANCE MAKES PUBLIC HEALTH PER CAPITA -- \$1.43

FOLLOWING TWO PAGES SHOW DIVISIONAL
PERSONNEL, TYPE OF WORK AND DEVELOPMENT.

EXCISE	YEAR	EMP.	COST
	1910	7	\$18,000
	1920	3	\$10,000
	1930	20	\$7,000
DIVISION			\$76,000

HEALTH OFFICER, 1 ASST. HEALTH OFFICER, 2 CLERKS, MULTIGRAPH OPERATOR, CHAUFFEUR, JANITORS, WATCHMAN, ETC.
ADMINISTRATION, VITAL STATISTICS, MAINTENANCE OF ENTIRE DEPARTMENT, PUBLICITY, HEALTH EDUCATION

SANITARY	YEAR	EMP.	COST
	1910	25	\$26,000
	1920	31	\$54,000
	1930	33	\$68,000
DIVISION			\$148,000

1 ASST. HEALTH OFFICER, 1 CHIEF, 2 ASST. CHIEFS, 2 CLERKS AND 21 INSPECTORS.
ENFORCE SANITATION AND REHABILITATION OF PREMISES, OLD PLUMBING, MISCELLANEOUS DOMESTIC EMPLOYEE EXAMINATIONS, ANIMAL LICENSING, ETC.
(IN 1943) 90,000 INSPECTIONS, 35,000 MISPLACES FOUND AND PRACTICALLY ALL AVOIDED, SUCH AS LACK OF WATER, DEFECTIVE TOILETS, INSANITARY CONDITIONS, UNMUTTERED DOGS, ETC.

PLUMBING	YEAR	EMP.	COST
	1910	6	\$7,107
	1920	6	\$12,000
	1930	1	\$25,500
DIVISION			\$44,607

A CHIEF, 1 ASST. CHIEF, A CLERK AND 6 INSPECTORS.
INSPECT AND APPROVE ALL PLUMBING (AND GAS) INSTALLATIONS OF NEW PLUMBING WORK; WATER SAMPLES, ETC.
(IN 1943) 74 PLUMBERS & NEW PLUMBING, 3,100 INSPECTIONS, 205 VIOLATION NOTICES.

INDUSTRIAL	YEAR	EMP.	COST
	1910	-	-
	1920	-	-
	1930	8	\$20,000
	1943	16	\$35,300

A CHIEF, 1 ASST. CHIEF, 1 INDUSTRIAL HYGIENE ENGINEER, 2 NURSES, 2 CLERKS AND 9 INSPECTORS.
CONTROL OF MISPLACES CAUSED BY INDUSTRY; FUMES, SMOKE, NOISES, ETC. (F. WORKERS' CONDITIONS IN FACTORIES, INDUSTRIAL DISEASE INVESTIGATIONS, NOISING AND NUTRITION PROGRAMS)
(IN 1943) 7,500 INSPECTIONS OF FACTORIES AS WELL AS SPECIAL INSPECTIONS; 700 MISPLACES AND VIOLATIONS AVOIDED;
171 NURSING SURVEYS AND 265 ATMOSPHERIC STUDIES.

COMMUNICABLE	YEAR	EMP.	COST
	1910	12	\$16,000
	1920	17	\$31,000
	1930	24	\$63,000
	1943	33	\$64,000

A CHIEF, 2 ASST. CHIEFS, A MEDICAL DIRECTOR, 2 CLERKS, 9 INVESTIGATORS, 7 NURSES, 1 CULTURE COLLECTOR, 7 CLERKS, 9 IN-CHARGE, 1 ASST. CHIEF, 2 ASST. CHIEFS, 2 CLERKS, 10 WORKERS

ENFORCE QUARANTINE AND DISINFECTION; AID IN IMMUNIZATION CAMPAIGNS; FOLLOW UP INSULATION HOSPITAL DISCHARGED PATIENTS; EPIDEMIOLOGICAL STUDIES, DIPHTHERIA & WHOOPING COUGH PROJECT; NURSES INSTRUCTION TO MOTHER IN CASE OF PATIENT AND CURRENT DISINFECTION WAS STARTED IN NOVEMBER.
(IN 1943) PREVALENT DISEASES WERE - WHOOPING COUGH 1088, MEASLES 4967, SCARLET FEVER 401, CHICKENPOX 4484, GERMAN MEASLES 9119, MUMPS 3094, PNEUMONIA 1944.

TUBERCULOSIS	YEAR	EMP.	COST
	1910	2	\$1,500
	1920	12	\$17,000
	1930	18	\$28,000
	1943	19	\$33,000

MEDICAL DIRECTOR, 1 SUPERVISOR NURSE, A CLERK, 5 CLINIC DOCTORS, 11 NURSES.
EXAMINATION OF ALL POSSIBLE PERSONS FOR CASES AND CONTACTS; EXAMINATION FOR SANITATION, FLUOROSCOPE AND LUNG COLLAPSE CLINIC; HOME VISITS FOR EDUCATION IN HYGIENE, AID IN EXAMINING FOOD HANDLERS AND DOMESTICS; TEST OF SCHOOL CHILDREN.
(IN 1943) 28,000 VISITS BY NURSES; 28,000 CLINIC EXAMINATIONS, INCLUDING 9,000 FOOD HANDLERS; PNEUMOTHORAX 469.

CHILD HYGIENE	YEAR	EMP.	COST
	1910	-	-
	1920	21	\$25,000
	1930	35	\$65,000
	1943	46	\$96,000

A MEDICAL DIRECTOR, 9 CLINIC DOCTORS, 3 CLERKS, 1 SUPERVISOR NURSE, 32 NURSES, CLEANERS, ETC.
HOME VISITS TO BABIES WEEKLY FOR FIRST MONTH, MONTHLY UNDER 1 YEAR AND EVERY THREE MONTHS UP TO TWO YEARS & AGE TO INSTRUCT MOTHERS; 22 KEEL-WELL-STATIONS, (25 WEEKLY SESSIONS) TO WHICH MOTHERS BRING BABIES FOR EXAMINATION, IN-STRUCTION AND IMMUNIZATION; LICENSE AND SUPERVISOR BOARDING HOMES FOR BABIES.
(IN 1943) 16,663 BABIES SUPERVISED; 27,000 VISITS TO HOMES BY NURSES; 16,000 VISITS BY BABIES TO STATIONS. IMMUNIZED - 3074 - PRESCHOOL CHILDREN FOR COMBINED DIPHTHERIA AND WHOOPING COUGH AND VACCINATION - 5,031.

PAROCHIAL SCHOOL INSPECTION	YEAR	1910	1920	1930	1943
COST		\$ 00	\$7,000	\$21,000	\$26,000
EMP.		-	6	10	14

1 SUPERVISING NURSE AND 13 NURSES.

SCHOOL INSPECTION FOR THE 12,000 PUPILS IN THE PAROCHIAL SCHOOLS. PHYSICAL EXAMINATIONS; ENFORCE QUARANTINE; SEE THAT DEFECTS ARE PLACED UNDER TREATMENT; IMMUNIZATION CAMPAIGN. HEALTH EDUCATION BY CLASS TALKS.

(IN 1943) DEFECTS CURED INCLUDED 5,994 TEETH; 1,632 NOSE AND THROAT, MOSTLY ADENOIDS AND TONSILS; 1,068 EYE AND EAR CONDITIONS; 4,111 SKIN. 34,000 SCHOOL TREATMENTS; 20,000 PHYSICAL EXAMINATIONS. 99% IMMUNIZED AND VACCINATED.

BACTERIOLOGICAL LABORATORY	YEAR	1910	1920	1930	1943
COST		\$13,000	\$27,000	\$38,000	\$37,000
EMP.		4	10	14	22

A CHIEF, A BACTERIOLOGIST, 1 PATHOLOGIST, CLERKS, LABORATORY HELPERS, 2 DOG INSPECTORS, AND CLEANERS.

EXAMINE CONTAGIOUS DISEASE SPECIMENS, CULTURES, BLOODS, SMEARS, ETC., BACTERIOLOGICAL EXAMINATION OF WATER, MILK AND OTHER FOODS, PREPARE SOME SEPA, CULTURE OUTFITS, ETC.

(IN 1943) 2,100 T.B. SEPTA 6,000 G.C. WEIRS, 14,000 WASSERMANN'S, KAHNS AND SPINAL FLUIDS; 4,100 DIPHTHERIA CULTURE AND APPROXIMATELY 3,000 OTHER DISEASE AND FOOD AND WATER SPECIMENS.

THESE FIGURES DO NOT INCLUDE EXAMINATIONS AT VENEREAL DISEASE LABORATORY.

CITY DISPENSARY	YEAR	1910	1920	1930	1943
COST		\$15,000	\$28,000	\$62,000	\$146,000
EMP.		16	24	30	76

1 MEDICAL RECEIVING OFFICER, A V. NURSE AND 1 ASST., 20 NURSES, PHARMACIST AND 1 ASST. PHARM., CLINIC PHYS., DENTISTS, ATTENDANTS, MASSEURS, PORTERS, (13 DISTRICT DOCTORS)*

TREAT AT GENERAL AND SPECIAL CLINICS AND VISIT INDIGENT SICK; FILL PRESCRIPTIONS, DISPENSE FREE SEPA, ETC.

(IN 1943) 36,000 TREATMENTS OF 9,700 PATIENTS; 3,200 PKUs. OF COD LIVER OIL CAPSULES AND 35,000 PRESCRIPTIONS. 6,000 VISITS BY DISTRICT DOCTORS. *

* DISTRICT DOCTORS DISCONTINUED IN NOVEMBER

GENERAL	YEAR	1910	1920	1930	1943
COST		-	-	\$31,000	\$115,000
EMP.		-	-	13	41

MEDICAL DIRECTOR, 11 CLINIC PHYSICIANS, 5 NURSES, 10 INVESTIGATORS, LABORATORY TECHNICIANS, CLERKS, 6 ATTENDANTS, ETC.

TREATMENT OF VENEREAL DISEASE PATIENTS; ENFORCE TREATMENT OF ALL REPORTED CASES, INVESTIGATE FOR NEW CASES AND POSSIBLE SOURCE OF INFECTION. ASSIST IN EXAMINATION OF FOOD HANDLERS - DOMESTIC. SPECIAL PATHOLOGICAL LABORATORY.

(IN 1943) 35,000 TREATMENTS, 200,000 BLOOD TESTS, 5,400 ACTIVE PATIENTS, 20,000 VISITS TO DELINQUENTS, ETC.

FOOD & DRUG DIVISION	YEAR	1910	1920	1930	1943
COST		\$6,000	\$27,000	\$56,000	\$73,000
EMP.		3	12	20	32

A CHIEF, AN ASST'Y CHIEF, 3 CHEMISTS 23 INSPECTORS, 4 CLERKS.

SANITARY INSPECTION OF FOOD PREMISES, MILK PLANTS; SAMPLES OF FOOD AND MILK FOR ADULTERATION, SANITATION AND STANDARDS. ENFORCE FOOD HANDLER LICENSING.

(IN 1943) 11,402 INSPECTIONS OF DAIRIES AND CREAMERIES, 477 BEING EXCLUDED. 2,200 MILK SAMPLES TAKEN AND ANALYZED 24,000 INSPECTIONS OF OTHER FOOD ESTABLISHMENTS.

VETERINARY DIVISION	YEAR	1910	1920	1930	1943
COST		\$3,000	\$9,000	\$29,000	\$36,000
EMP.		2	4	12	16

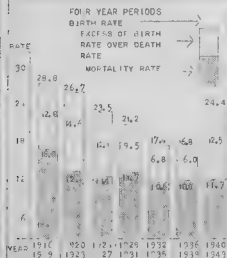
A CHIEF, 2 OTHER VETERINARIANS, CLERK, 12 MEAT INSPECTORS, SUPERVISION OF ALL MEAT STORES AND THE SLAUGHTER OF MEAT IN THE CITY. FOOD HANDLER ENFORCEMENT. CONDEMNATIONS.

(IN 1943) 32,000 INSPECTIONS OF 955 MEAT AND FISH STORES, SLAUGHTER HOUSES AND WHOLESALE PLANTS.

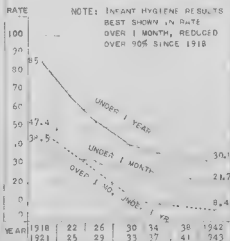
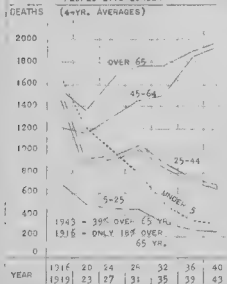
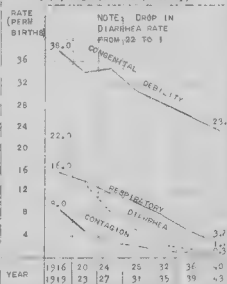
OCCUPATIONAL CLINIC	YEAR 1943	COST - \$28,000	EMPLOYEES - 13
	A CHIEF, 2 DOCTORS, 2 NURSES, CLERKS, ATTENDANTS, X-RAY TECHNICIAN, ETC.		

SEMI-ANNUAL PHYSICAL EXAMINATIONS OF DOMESTICS AND FOOD HANDLERS INCLUDING ROUTINE BLOOD TEST FOR SYPHILIS AND CHEST X-RAYS. DOMESTIC WORK ENFORCED BY SANITARY DIVISION. FOOD HANDLER WORK BY VETERINARY AND FOOD & DRUG DIVISIONS. 16,000 BLOOD TESTS AND 14,743 X-RAYS IN 1943.

THE VITAL RATIO

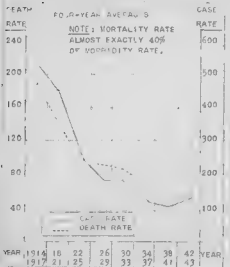
TREND IN BIRTHS AND DEATHS
CRUDE RATES PER 1000

INFANT MORTALITY

DEATHS UNDER 1 YEAR PER 1000
LIVING BIRTHSMORTALITY TREND BY AGE
DEATHS OVER 45 AND 65 INCREASING
"PEOPLE LIVE LONGER"INFANT MORTALITY
SPECIAL CAUSES
4-YR. AVERAGES AND (1940-43)

TUBERCULOSIS MORTALITY & MORBIDITY

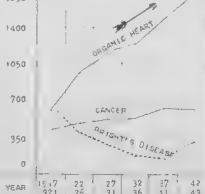
DECLINE OF THE "WHITE PLAGUE"
RATES PER 100,000



CANCER ORGANIC HEART DISEASE BRIGHT'S DISEASE

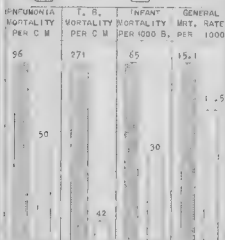
DEATHS -- 5-YEAR AVERAGES (ANNUAL)

ORGANIC HEART	542	777	1712	1084	1298	1865
CANCER	368	436	485	521	638	628
BRIGHT	551	352	258	422	163	257
W. SLASH	1850					



MORTALITY BY COLOR

OUTSTANDING VARIATIONS
AVERAGE RATE FOR FIVE YEARS
1939 - 1943

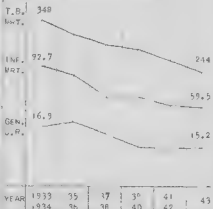
- NEGRO ☐ - WHITE ☒

NEGRO MATA TY

ENCOURAGING DOWNWARD TRENDS

1933-1943 - (2 YR-AVERAGE)

DEATH RATE - PER 1000
INFANT MORT. - PER 1000 BIRTHS
TUBERCULOSIS MORT. PER 100,000



TYPHOID FEVER MORTALITY

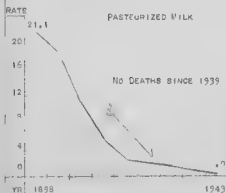
RATE PER 100,000

FIVE-YEAR AVERAGES

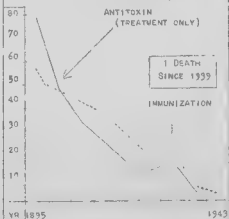
PURE WATER

PASTEURIZED MILK

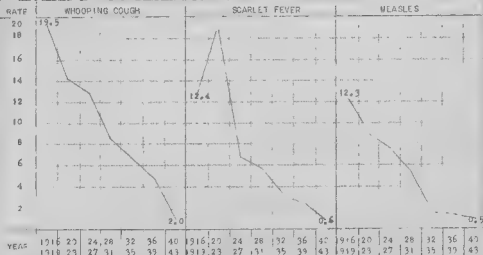
NO DEATHS SINCE 1939

DIPHTHERIA
MORTALITY & MORBIDITY
1895-1943 - 5 YEAR AVERAGESDEATH RATE PER 100,000
CASE RATE PER 10,000ANTITOXIN
(TREATMENT ONLY)1 DEATH
SINCE 1939

IMMUNIZATION

DOWNWARD TRENDS IN CASE FATALITY
CAUSED BY

LOWER DISEASE VIRULENCE OR INCREASED RESISTANCE?

WE BELIEVE BETTER NUTRITION AND HYGIENE AMONG INFANTS AND YOUNG CHILDREN IS THE ANSWER.
(DEATHS RATE PER 1000 CASES FOR 4-YEAR PERIODS)

DEATHS AND DEATH RATES

BY CAUSE (TOTAL AND NEGRO)

	TOTAL				NEGRO			
	1943		1942		1943		1942	
	RATE	DEATHS	RATE	DEATHS	RATE	DEATHS	RATE	DEATHS
INFANTILE PARALYSIS	--	--	0.4	2	--	--	--	--
TYPHOID FEVER 'PARA'	0.4	2	--	--	--	--	--	--
MEASLES	0.2	1	0.9	4	2.1	1	4.4	2
SCARLET FEVER	0.2	1	0.2	1	--	--	--	--
WHOOPING COUGH	0.4	2	0.7	3	2.1	1	4.4	2
DIPHTHERIA	0.2	1	--	--	--	--	--	--
INFLUENZA	5.2	23	1.2	5	4.2	2	2.2	1
EIDEM. MENIN. (CEP.SPIN.)	6.1	27	1.2	5	23.0	11	2.2	1
TUBERCULOSIS OF LUNGS	60.5	266	60.8	261	216.7	94	244.4	110
" MENINGITIS	1.6	7	2.6	11	4.2	2	13.3	6
OTHER TUBERCULOSIS	4.8	21	3.7	16	23.0	11	20.0	9
CANCER- MAL. TUMOR	148.9	655	140.3	601	66.7	32	82.2	37
SIMPLE MENINGITIS	5.9	17	5.8	25	2.1	1	15.6	7
APPOLEXY-SOFT. OF BRAIN	98.0	431	99.1	425	93.7	45	126.7	57
CARDIAC HEART DISEASE	448.9	975	409.3	766	414.6	199	375.5	169
BRONCHITIS	1.1	5	2.6	11	--	--	--	--
PNEUMONIA, LOBAR	37.7	166	33.6	44	68.8	33	80.0	36
PNEUMONIA, BRONCHO	36.8	162	23.8	102	50.0	24	37.8	17
OTHER RESP. DISEASES	30.5	134	42.9	184	25.0	12	42.2	19
DISEASE OF STOMACH	10.9	48	7.9	34	4.2	2	6.7	3
DIARRHOEA (UNDER 5 YEARS)	3.4	15	2.8	12	12.5	6	8.9	4
APPENDICITIS & TYPHILITIS	7.1	31	7.9	34	2.1	1	6.7	3
HEPATIC, INTEST. OBST.	17.1	75	15.6	67	18.8	9	24.4	11
CIRRHOSIS OF LIVER	9.	40	7.9	34	4.2	2	4.4	2
BRIGHT'S DIS. - NEPHRITIS	62.7	276	51.3	223	93.7	45	88.9	40
DIS. OF WOMEN (NOT CANCER)	1.6	7	2.3	10	10.4	5	13.3	6
PUERPERAL SEPTICAEMIA	0.9	4	0.4	2	2.1	1	--	--
OTHER PUERPERAL DIS.	3.2	14	4.6	20	6.3	3	2.2	1
LONG. DEBILITY & WALK.	58.4	257	6.1	262	79.2	38	93.3	42
OLD AGE	10.5	46	7.0	30	6.3	3	6.7	3
ACCIDENTS	69.1	304	62.9	271	108.3	52	73.3	33
HOMIC DE	5.0	22	5.	22	31.3	15	33.3	5
SUICIDE	12.5	55	15.4	66	2.1	1	8.9	4
ILL-DEFINED CAUSES	6.8	30	9.8	42	8.9	4	20.0	9
ALL OTHER CAUSES	132.3	582	133.1	571	133.3	64	160.0	72

MORTALITY UNDER SPECIAL HEADINGS 1934 TO 1943

	<u>1943</u>	<u>1942</u>	<u>1941</u>	<u>1940</u>	<u>1939</u>	<u>1938</u>	<u>1937</u>	<u>1936</u>	<u>1935</u>	<u>1934</u>
TOTAL - ALL CAUSES	5702	5256	5,27	5207	5005	5116	5256	5331	4996	4921
INFANTILE PARALYSIS	-	2	3	-	-	-	1	-	4	-
TYPHOID FEVER	-	-	-	-	-	-	2	-	-	1
TYPHOID FEVER "AFRICA"	2	-	-	-	-	-	-	-	-	-
MEASLES	1	4	1	5	-	-	16	1	11	1
SCARLET FEVER	1	1	-	-	4	1	1	7	1	2
DIPHTHERIA	1	-	-	1	1	1	1	-	-	1
WHOOPING COUGH	2	3	4	1	6	6	7	12	22	6
INFLUENZA	23	5	19	8	10	17	24	21	14	25
EPIDEM. MENINGITIS (GER. SP.)	27	5	1	1	1	2	8	23	3	2
OTHER EPIDEMIC DISEASES	-	-	-	1	-	1	-	-	9	-
TUBERCULOSIS OF LUNGS	266	261	235	277	252	253	266	311	293	285
TUBERCULOSIS MENINGITIS	7	11	13	11	6	9	10	10	11	10
OTHER TUBERCULOSIS	21	16	26	21	19	25	25	25	22	21
CANCER & MALIGNANT TUMOR	655	601	660	636	631	630	633	566	533	503
SIMPLE MENINGITIS	17	25	13	14	16	20	22	32	25	17
AP. LEXY-SOFT. OF BRAIN	431	425	415	440	383	347	310	358	304	357
ORGANIC HEART DISEASE	1975	1756	1530	1360	1240	120	158	1162	1118	1082
BRONCHITIS	5	11	5	11	9	18	13	31	20	18
LOBAR PNEUMONIA	166	144	125	91	130	189	245	254	241	224
BRONCHO PNEUMONIA	162	102	113	103	101	123	184	165	141	136
OTHER RESPIRATORY DISEASES	134	184	167	142	124	92	124	91	94	80
DISEASES OF STOMACH	48	34	30	31	39	43	51	34	37	28
DIARRHOEA (UNDER 5 YRS)	15	12	13	14	28	12	32	16	24	23
APPENDICITIS & TYPHLITIS	31	34	45	68	61	82	77	71	58	90
HERNIA, INTEST. OBST.	75	67	50	52	57	51	60	57	47	65
CIRRHOSIS OF LIVER	40	34	47	37	36	42	42	35	49	34
BRIGHT'S DISEASE & NEPHRITIS	276	223	222	124	154	149	168	214	201	227
DISEASES OF WOMEN (NOT CANCER)	7	0	4	19	11	1	12	9	20	13
PUERPERAL SEPTICAEMIA	4	2	5	2	5	4	10	6	8	7
OTHER PUERPERAL DISEASES	14	20	21	27	25	19	12	23	26	32
CONGENITAL DEBILITY & MALF.	257	262	243	225	203	213	170	202	264	222
OLD AGE	46	30	43	28	36	43	49	45	44	34
ACCIDENTS	304	271	235	258	226	268	343	339	277	294
HOMICIDES	22	22	19	21	29	21	37	34	37	26
SUICIDES	55	66	55	82	50	66	70	68	64	71
ILL-DEFINED	30	42	51	50	39	39	32	44	32	27
ALL OTHER CAUSES	582	571	708	1039	1083	1116	1064	951	957	972
CRUDE DEATH RATE (1000 POP)	12.6	11.9	11.6	11.7	10.6	10.9	11.0	11.2	10.6	10.5

PERCENTAGE DISTRIBUTION BY AGE PERIODS FROM

PRINCIPAL CAUSES OF DEATH IN NEWARK, N.J. 1943

CAUSES OF DEATH	TOTAL DEATHS		UND 5 YEARS		5 TO 24 YEARS		25 TO 44 YEARS		45 TO 64 YEARS		65 AND OVER	
	DEATHS	%	DEATHS	%	DEATHS	%	DEATHS	%	DEATHS	%	DEATHS	%
TOTAL	5702	100	435	7.6	214	3.8	660	1.6	2074	36.4	2319	40.6
MEASLES	1	100	1	100								
WHOOPING COUGH	2	100	2	100								
DIARRHOEAL DISEASES	15	100	15	100								
EARLY INFANCY	257	100	257	100								
INFLUENZA	29	100	4	17.3	1	4.3	5	21.7	4	17.4	9	39.3
PNEUMONIA	328	100	53	16.1	9	2.7	44	13.4	95	29.0	27	38.7
BRONCHITIS	5	100	1	20.0	-	-	-	-	3	60.0	1	20.0
PULMONARY T.B.	266	100	-	-	45	16.9	64	39.1	95	35.7	22	8.3
BRIGHT'S DISEASE	376	100		0.4	5	5.5	28	10.	100	36.2	32	47.8
APOPLEXY	431	100	-	-	2	0.5	17	3.9	171	39.7	241	55.9
ORGANIC HEART (I.S.)	1975	100	3	0.0	35	.8	143	7.2	775	39.3	1012	51.7
ACCIDENTS	304	100	28	9.3	36	11.8	49	16.1	97	31.9	94	30.9

DEATHS BY AGE GRD. PS

YEAR	TOTAL DEATHS	UNDER 1 YR.	1 AND UND 2	2 AND UND 5	TOTAL UND 5	5-14	15-24	25-44	45-64	65 & OVER
1916	6357	1026	390	405	1821	254	335	1,497	1566	1184
1917	6205	1038	244	179	1461	237	340	1275	1637	1255
1918	8484	1215	433	434	2082	314	780	2309	1754	1245
1919	5534	862	190	186	1238	249	315	1201	1376	1112
1920	5551	994	253	192	1439	220	327	1041	1379	1115
1921	4776	837	136	134	1107	194	248	910	1256	1061
1922	5209	822	198	166	1186	232	268	925	1414	1184
1923	5221	756	143	136	1055	196	305	872	1503	1290
1924	5111	746	130	139	1015	199	268	975	1470	1161
1925	5447	746	132	144	1022	206	273	1018	1640	1288
1926	5606	753	187	158	1098	156	277	1015	1618	1442
1927	5296	696	109	112	857	210	277	974	1724	1254
1928	5735	626	156	186	968	245	304	1074	1794	1422
1929	5857	594	104	152	850	192	308	1152	1768	1577
1930	5447	512	83	119	714	188	327	1037	1788	1393
1931	5306	490	64	98	652	172	252	1025	1747	1458
1932	4850	371	41	73	485	128	229	890	1677	1442
1933	5128	356	68	96	520	141	215	914	1775	1563
1934	4921	342	54	54	450	117	92	824	1779	1559
1935	4996	417	46	60	523	117	90	864	1788	1514
1936	5931	332	45	45	422	116	208	861	1892	1832
1937	5256	287	51	61	400	115	202	812	1877	1850
1938	5116	310	29	45	384	86	179	75	1845	1871
1939	5005	303	23*	24*	350*	97	168	704	1777	1909
1940	5207	300*	26	33	359	55	168	703	1934	1988
1941	5127	318	30	34	382	62	138	639	1948	1958
1942	5256	352	25	36	413	50	151	682	1935	2025
1943	5702	367	24	44	435	66	111	1402	2074	2012

*TOTAL DEATHS INCLUDES ALL DEATHS IN NEWARK BOTH RESIDENT AND NON-RESIDENT AS WELL AS DEATHS OF NEWARKERS AT SOMO AND VERONA.

HEALTH FACTS 197 TO 1963

YEAR	DEATHS UNL. R.	INFANT MORTALITY	BIRTHS	BIRTH RATE	DIARRHOEA DEATHS UNL. R.	T. B. DEATHS	T. B. DEATH RATE	DIARRHOEA DEATHS	TYPHOID DEATHS	BRIGHT'S DEATHS	ORIG. HEART DEATHS
1907	103	67.9	1181	23.1	315	820	202.5	50	17	638	109
1918	1215	104.7	11575	27.0	331	798	185.6	82	15	629	633
1919	862	76.2	11297	25.7	295	637	144.8	50	9	504	529
1920	994	84.7	11734	26.3	244	540	130.4	62	8	507	492
1921	837	71.5	11705	27.5	210	446	104.9	44	12	417	510
1922	825	74.8	10993	25.4	167	428	99.1	73	12	346	640
1923	756	68.0	11110	25.3	133	406	92.5	34	11	340	727
1924	746	65.2	11449	25.7	132	392	87.9	39	12	399	729
1925	746	68.7	10852	24.0	129	378	83.4	42	5	343	850
1926	753	71.9	10460	22.7	128	421	91.5	21	7	331	948
1927	634	63.3	10010	21.5	82	387	82.9	62	6	266	1019
1928	626	63.8	9802	20.7	78	412	86.9	95	5	298	1002
1929	594	59.6	9975	20.7	52	441	91.8	96	5	258	1047
1930	512	52.3	9784	22.2	45	445	101.0	48	1	244	1005
1931	491	52.3	9506	21.4	36	412	92.4	16	2	224	980
1932	371	42.3	8746	19.4	16	360	80.0	2	4	242	958
1933	356	45.1	7897	17.6	18	388	85.8	1	2	228	1091
1934	342	45.2	7565	16.7	23	317	69.8	1	1	227	1082
1935	417	54.6	7638	16.8	24	316	69.4	1	0	201	1118
1936	332	45.9	7236	15.8	16	346	75.7	0	1	214	1162
1937	287	37.6	7659	16.7	32	301	65.8	1	0	168	1158
1938	310	39.1	7936	17.3	12	287	62.7	1	2	149	1201
1939	303	38.1	7950	17.3	20	277	60.3	1	4	154	1240
1940	300	35.1	8538	19.9	14	309	71.9	0	0	124	1360
1941	318	32.6	9765	22.8	13	274	63.9	0	0	222	1530
1942	352	29.3	12016	28.0	12	288	66.1	0	0	223	1756
1943	357	30.9	11856	26.9	15	294	66.8	4	0	276	1975

MORTALITY TRENDS SINCE 1994

YEAR	POPULATION	CRUDE DEATHS	RATES PER 100,000				TUBERCULOSIS (ALL FORMS)
			CRUDE DEATH RATE PER 1,000	SCARLET FEVER	TYPHOID FEVER	DIPH- THERIA	
1894	203,923	4,543	22.28	33.8	16.7	—	246.3
1895	215,725	4,615	21.37	16.2	23.2	126.6	225.3
1896	225,000	4,716	20.96	7.6	20.9	96.9	247.6
1897	230,000	4,010	17.43	23.5	14.3	59.6	223.0
1898	235,000	4,303	18.30	6.4	17.4	56.6	260.0
1899	240,000	3,537	18.90	14.2	25.0	51.7	260.0
1900	246,070	5,006	20.34	22.4	20.3	58.1	274.7
1901	250,000	4,806	19.22	9.2	22.8	41.2	262.0
1902	255,000	4,943	19.38	18.0	18.4	41.2	258.8
1903	266,000	4,923	18.50	26.7	23.7	45.1	269.9
1904	272,000	5,378	19.77	44.1	14.7	55.1	284.9
1905	283,239	5,025	17.74	15.9	14.1	38.8	275.7
1906	290,000	5,551	19.14	11.7	17.2	34.1	293.4
1907	300,000	5,724	19.08	13.7	23.0	31.7	265.7
1908	305,000	5,207	17.07	29.2	11.5	21.6	260.7
1909	311,000	5,529	17.77	22.5	12.5	38.8	245.6
1910	347,469	5,764	16.64	11.2	12.7	29.9	233.7
1911	352,000	5,337	15.16	6.0	10.5	21.0	200.8
1912	370,000	5,423	14.65	3.0	7.0	24.6	161.1
1913	380,000	5,562	14.63	6.9	7.9	28.0	192.9
1914	395,000	5,809	14.70	6.8	6.6	10.4	171.1
1915	375,000	5,382	14.30	1.6	2.9	13.1	215.5
1916	385,000	6,357	16.50	1.8	6.0	14.8	203.4
1917	405,000	6,205	15.30	0.7	4.2	12.3	202.5
1918	430,000	8,483	19.72	2.6	3.5	19.1	185.6
1919	440,000	5,534	12.57	2.7	2.0	11.3	144.8
1920	414,216	5,551	13.40	2.9	1.9	14.9	130.4
1921	425,000	4,774	11.24	5.9	2.8	10.4	104.9
1922	432,000	5,209	12.06	3.5	2.8	16.9	99.1
1923	439,000	5,221	11.67	1.1	2.5	7.7	92.5
1924	446,000	5,004	11.22	1.8	2.7	8.7	87.9
1925	453,000	5,310	11.67	2.0	1.1	9.3	83.4
1926	460,000	5,450	11.85	1.3	1.5	4.6	91.5
1927	467,000	5,086	10.90	2.6	1.3	19.3	82.9
1928	474,000	5,512	11.63	1.3	1.0	20.0	86.9
1929	480,000	5,632	11.74	0.8	0.6	20.0	91.9
1930	440,000	5,239	11.92	0.7	0.2	10.9	101.1
1931	445,000	5,073	11.40	2.0	4.5	3.6	92.1
1932	450,000	4,682	10.40	0.7	0.9	0.5	80.0
1933	452,000	4,930	10.91	0.9	0.5	0.2	85.8
1934	454,000	4,764	10.49	0.4	0.2	0.2	69.6
1935	455,000	4,996	10.56	0.2	0.0	0.2	69.4
1936	457,000	5,331	11.18	1.5	0.2	NONE	75.7
1937	458,000	5,06	11.00	0.2	0.0	0.2	67.8
1938	458,000	4,970	10.85	0.2	0.4	0.2	62.7
1939	459,000	4,855	10.58	0.9	0.9	0.2	60.3
1940	460,000	5,725	11.71	NONE	NONE	NONE	71.9
1941	429,000	5,127	11.62	NONE	NONE	NONE	63.9
1942	429,000	5,256	11.86	0.2	NONE	NONE	66.1
1943	440,000	5,712	12.55	0.2	NONE	0.2	68.8

GENERAL AND COLORED STATISTICS BY WARDS

NEWARK, N. J. - 1943

WARD	POPULATION	DEATHS	CRUDE DEATH RATE	BIRTHS	BIRTH RATE	DEATHS UNDER 1 YR.	INFANT MORT. RATE
1	27,000	226	8.4	448	16.6	15	33.4
2	11,000	204	18.6	163	14.8	10	6.3
3	26,000	460	18.0	584	22.5	32	5.6
4	6,000	162	27.0	77	12.8	7	90.9
5	17,000	168	9.9	315	18.5	17	53.9
6	20,000	229	11.5	388	19.4	11	28.3
7	14,000	157	11.2	260	18.6	14	5.8
8	39,000	437	11.2	858	22.0	20	23.3
9	63,000	573	9.1	1079	17.1	19	7.6
10	20,000	147	7.4	364	18.2	5	3.7
11	29,000	337	11.6	483	16.7	11	22.8
12	21,000	212	10.1	429	20.4	15	35.0
13	56,000	528	9.1	864	15.9	21	24.3
14	31,000	316	10.2	578	18.7	27	46.7
15	12,000	137	11.4	280	23.3	6	21.4
16	46,000	437	9.5	708	15.4	19	26.8
NON-RESIDENT UNKNOWN ADDRESS		838	--	3578	--	117	--
TOTAL	440,000	5702	12.6	11856	26.9	367	30.9
COLORED							
1	1,500	19	12.7	28	18.7	1	35.7
2	2,100	47	22.4	45	21.4	3	66.6
3	17,000	265	15.6	434	25.5	27	62.2
4	1,000	19	19.0	25	20.5	6	240.0
5	700	20	28.5	27	38.5	3	111.1
6	2,400	28	11.7	72	30.0	4	55.5
7	5,400	55	10.2	130	24.1	6	46.2
8	2,200	19	8.6	41	18.6	--	--
9	2,700	37	13.4	67	24.8	3	44.6
10	1,700	16	9.4	39	22.9	1	25.6
11	1,200	17	12.1	25	17.9	--	--
12	100	6	30.0	12	60.0	1	93.3
13	400	8	20.0	7	17.5	--	--
14	5,000	73	14.6	153	30.6	12	78.4
15	2,900	40	13.8	70	24.1	2	28.6
16	1,400	21	15.0	38	27.1	3	78.9
NON-RESIDENT UNKNOWN ADDRESS		27	--	29	--	1	--
TOTAL	48,000	729	15.2	1247	25.9	74	59.5

PAROCHIAL SCHOOL MEDICAL INSPECTION

ANN REILLY, R.N., SUPERVISING NURSE

MEDICAL INSPECTION AND HEALTH EDUCATION OF SCHOOL CHILDREN IS SUPPLIED IN THE PUBLIC SCHOOLS BY THE BOARD OF EDUCATION. THIS VITAL WORK FOR 11,631 PAROCHIAL SCHOOL CHILDREN, IN TWENTY-NINE DIFFERENT SCHOOLS, IS PROVIDED BY OUR DEPARTMENT WITH A SUPERVISING NURSE AND FOURTEEN SCHOOL NURSES. THEY ARE AIDED BY THE PHYSICIANS OF THE CONTAGIOUS DISEASE AND TUBERCULOSIS DIVISIONS, AS WELL AS OUR CITY DISPENSARY CLINICS.

THE WORK INCLUDES PHYSICAL EXAMINATION FOR THE DETECTION AND CORRECTION OF DEFECTS, IMMUNIZATION AND VACCINATION, ENFORCEMENT OF QUARANTINE AND THE TEACHING OF PERSONAL AND PUBLIC HEALTH. OUR VACCINATION RECORDS ALMOST 100% AND DIPHTHERIA IMMUNIZATION HAS BEEN OVER 99% COMPLETE FOR THE PAST FIVE YEARS. A DETAILED PHYSICAL RECORD FOLLOWS EACH CHILD THROUGH THE SCHOOL SYSTEM.

DURING THE YEAR, 20,397 PHYSICAL EXAMINATIONS WERE MADE BY THE NURSES, INCLUDING EXAMINATION OF SKIN, TEETH, EYES, EARS, THROAT AND EVIDENCE OF IMPROPER BREATHING AND NUTRITION, TOGETHER WITH PERSONAL HYGIENE. AT LEAST ONE ROUTINE EXAMINATION IS MADE FOR EVERY CHILD EACH YEAR AND TWO IN THE YOUNGER GRADES.

HERETOFORE, THE ONLY ROUTINE EXAMINATION BY PHYSICIANS HAS BEEN LIMITED TO CHILDREN IN THE GRADUATING CLASS. IN OCTOBER OF LAST YEAR, HOWEVER, SEVERAL PHYSICIANS WERE ASSIGNED FROM OUR DISPENSARY STAFF SO THAT ROUTINE EXAMINATIONS ARE MADE ON ALL ENTERING CHILDREN, AGAIN ABOUT THE FOURTH GRADE, AND AGAIN IN THE SEVENTH OR EIGHTH YEAR. 2,180 SUCH EXAMINATIONS WERE MADE IN THE LAST THREE MONTHS OF THE YEAR. PARENTS ARE INVITED TO BE PRESENT AT THESE EXAMINATIONS. DURING THE YEAR, ANOTHER EXCELLENT ADDITION TO THE WORK WAS STARTED BY THE ASSIGNMENT OF SEVERAL DISPENSARY DENTISTS TO MAKE ROUTINE MOUTH EXAMINATIONS OF THE CHILDREN. APPROXIMATELY 6,000 SUCH EXAMINATIONS WERE MADE DURING THE YEAR.

SUMMARY OF WORK

	<u>1943</u>	<u>1942</u>	<u>1941</u>	<u>1940</u>	<u>1939</u>	<u>1938</u>	<u>1937</u>	<u>1936</u>
TEETH - DEFECT - - - - -	11,087	10,690	11,113	10,301	10,882	11,594	10,172	9,462
" - CURE - - - - -	5,394	5,587	3,980	3,231	3,024	3,677	3,454	3,296
NOSE & THROAT - DEFECT - -	3,018	3,315	3,618	3,226	3,042	3,085	2,762	2,366
" - CURE - - - - -	1,632	2,164	1,583	1,132	721	1,004	906	947
EYE & EAR - DEFECT - - -	2,096	2,468	2,698	2,329	2,086	1,978	1,791	1,806
" - CURE - - - - -	1,068	1,571	1,225	998	668	756	674	672
VERMIN & UNCLEAN - DEFECT	2,878	3,033	3,585	3,721	2,667	3,094	2,810	3,530
" - CURE - - - - -	2,870	2,753	1,704	1,188	1,312	1,358	1,502	1,722
SKIN - DEFECT - - - - -	5,367	6,021	5,506	4,403	5,04	4,820	3,548	3,522
" - CURE - - - - -	4,111	4,656	3,248	1,995	3,128	3,238	2,579	2,646
MENTAL BEHAVIOR - - - - -	16	29	15	53	14	10	18	5
EXCLUDED - - - - -	1,399	1,028	1,063	835	958	863	561	1,260
VACCINATIONS - - - - -	651	664	589	586	749	663	776	877
SCHOOL TREATMENTS - - -	33,931	42,980	30,308	25,571	20,447	24,949	22,796	22,636
CLASS INSPECTION & TALKS -	6,464	6,600	6,573	6,183	6,389	6,230	6,614	6,767
RE-INSPECTIONS - - - - -	32,458	32,369	28,292	38,399	33,121	47,708	51,083	73,416
PHYSICAL EXAM. NURSE - -	20,397	18,531	18,901	18,036	28,978	21,766	20,148	22,974
" - DOCTOR - - - - -	2,180	-	-	-	-	-	-	-
GENERAL HOME CALLS - - -	441	439	317	465	652	782	822	944

BUREAU OF VISUAL HEALTH EDUCATION

PETER COVEN, IN CHARGE

THE BUREAU OF VISUAL HEALTH EDUCATION'S PRINCIPAL FUNCTION IS TO EXHIBIT MOTION PICTURES ON HEALTH SUBJECTS TO ANY GROUP IN THE CITY OF NEWARK UPON REQUEST.

WE HAVE SHOWN OUR FILMS TO MANY VARIED GROUPS INCLUDING INDUSTRIAL WORKERS, MEAT CUS, FOOD HANDLERS, COMMUNITY CENTER MEMBERS, CLUB MEN AND WOMEN, FRATERNAL ORGANIZATIONS, COUNCIL AND SERVICE CLUBS, VETERAN ORGANIZATIONS, HOSPITAL STAFFS, NURSING HOME GROUPS, YOUTH LEADERS, JUNIOR MEMBERS, HANCOCK-HILL SCHOOL PUPILS, HOUR NG PROJECT TEENAGERS, PARENT-TEACHER UNITS AND CHURCH AUXILIARIES.

OUR FILM LIBRARY, CONSISTING OF ALL SOUND MOTION PICTURES, INCLUDES FILMS ON CANCER, TUBERCULOSIS, HYPERTENSION, DIABETES, THE NUTRITIONAL VALUE OF FOOD, BACTERIOLOGY, WASTE CONTROL, SANITARY ENGINEERING, SKIN TREATMENT, TEETH, X RAY, TUBERCULOSIS, THE VENEREAL DISEASES, THE ALL-GRADE SOUND FILM SERIES ON THE SUBJECT OF EYEIGHT CONSERVATION, SLEEP, AND THE PROPER METHOD OF SANITIZATION OF COOKING AND FOOD PREPARATION.

OUR FILM LIBRARY HAS PRODUCED A SERIES OF KODACHROME (NATURAL COLORED) SLIDES ENTITLED "NEWARK'S HEALTH DEPARTMENT" SHOWING THE HEALTH DEPARTMENT'S ACTIVITIES. THESE ARE DESIGNED TO COMPLEMENT A LECTURE AND HAVE BEEN FOUND TO BE A VERY EFFECTIVE MEANS OF ACQUAINTING THE GENERAL PUBLIC WITH THE VARIED ACTIVITIES OF OUR DEPARTMENT.

DURING THE YEAR 1943, WE WERE PRIVILEGED TO SHOW OUR FILMS TO APPROXIMATELY 6,000 PERSONS AT 80 DIFFERENT SHOWINGS. AUDIENCES NUMBERED FROM 25 TO 500.

WE HAVE ALSO PLACED HEALTH EXHIBITS AT SEVERAL DIFFERENT LOCATIONS WHICH HAVE BEEN VIEWED BY APPROXIMATELY 11,300 PERSONS.

THE COST OF OUR FILMS HAS RANGED FROM \$5 FROM GOVERNMENT SOURCES TO \$75 FROM PRIVATE SOURCES. SOUND SLIDE FILMS AVERAGE ABOUT \$5. IT COSTS ABOUT 15¢ EACH TO PRODUCE THE KODACHROME SLIDES.

OUR EQUIPMENT INCLUDES A 16 MM SOUND PROJECTOR, A 16 MM SILENT PROJECTOR, THREE 35 MM SLIDE PROJECTORS, A 3X4 SLIDE PROJECTOR, THREE DIFFERENT SIZED SCREENS, LOUD SPEAKING EQUIPMENT AND A MONOGRAPH TURNTABLE DESIGNED FOR SOUND-SLIDE FILM USE, A 16 MM MOTION PICTURE CAMERA, A 35 MM CAMERA AND A 2 1/2 X 3 1/2 VIEW CAMERA.

ANOTHER FUNCTION OF THE BUREAU HAS BEEN THE TAKING OF PHOTOGRAPHS FOR THE SANITARY, FOOD AND DRUG HANDLING AND HEALTH HYGIENE DIVISIONS OF THE MOST FLAGRANT VIOLATIONS. WE HAVE TAKEN PHOTOGRAPHS FOR THE INDUSTRIAL HYGIENE DIVISION OF MODEL INSTALLATIONS WHICH WE USED FOR EDUCATIONAL PURPOSES. WE HAVE ALSO TAKEN PHOTOGRAPHS OF BUILDINGS SCHEDULED TO BE RENOVATED OR DEMOLISHED.

THIS METHOD OF COLLECTING GRAPHIC EVIDENCE HAS BEEN FOUND VERY EFFECTIVE, ESPECIALLY IF THE VIOLATOR IS PRESENT WHEN THE PHOTOGRAPHS ARE TAKEN. IT HAS THE EFFECT OF SECURING AN ABANDONMENT OF THE NUISANCE OF DANGEROUS CONDITIONS SOONER. THESE PHOTOGRAPHS ARE USED WHEN THE VIOLATOR IS SUMMONED TO A HEARING BEFORE THE HEALTH OFFICER OR IF IT IS FOUND NECESSARY TO BRING COURT PROCEEDINGS. THEY ARE ALSO MOST VALUABLE AS A PICTORIAL RECORD OF THE CASE.

WE HAVE RECEIVED THE COOPERATION OF THE WOMAN'S AUXILIARY TO THE ESSEX COUNTY MEDICAL SOCIETY AS CO-SPONSORS OF A "HEALTH CONSERVATION CAMPAIGN". WE HAVE ALSO SECURED THE ACTIVE COOPERATION OF THE ESSEX COUNTY DENTAL SOCIETY AND THE PHARMACEUTICAL ASSOCIATION AND OTHERS, IN THIS CAMPAIGN.



SANITARY DIVISION

CHRISTOPHER C. NUPENT, JR., + ASST HEALTH OFFICER.

THE PRIMARY PURPOSE OF THE SANITARY DIVISION OF THE DEPARTMENT OF HEALTH IS TO LOOK AFTER THE SANITARY CONDITION OF THE CITY AND TO ENFORCE THE SANITARY CODE.

THE PERSONNEL OF THE SANITARY DIVISION IS COMPOSED AS FOLLOWS: ONE ASSISTANT HEALTH OFFICER, ONE CHIEF INSPECTOR, ONE PRINCIPAL CLERK, ONE CLERK-BOOKKEEPER, TWO ASSISTANT CHIEF INSPECTORS AND TWENTY-TWO SANITARY INSPECTORS.

FOR THE PURPOSE OF INSPECTION, THE CITY OF NEWARK IS DIVIDED INTO TEN DISTRICTS. TO COVER THESE DISTRICTS, THE DIVISION POSSESSES THREE EMERGENCY AUTOMOBILES AND FOUR MOTORCYCLES. THE BALANCE OF THE DISTRICTS ARE COVERED ON FOOT.

THE USUAL PROCEDURE IN ABATING A NUISANCE IS TO HAVE THE INSPECTOR SERVE A WRITTEN NOTICE, A PAD OF WHICH HE CARRIES ABOUT HIS PERSON AT ALL TIMES. THIS NOTICE IS SERVED ON THE PERSON OR FIRM RESPONSIBLE FOR THE VIOLATION, GIVING A SPECIFIED TIME IN WHICH TO ABATE THE NUISANCE. A COPY OF THE NOTICE IS KEPT ON FILE IN THE OFFICE, OF ALL PREMISES INVESTIGATED BY THE INSPECTORS. THIS OFFICE COPY OF THE NOTICE SPECIFIES THE VIOLATIONS FOUND, NUMBER OF VISITS AND LEGAL ACTION TAKEN. THE FILE COPY OF THE NOTICE IS NOT REMOVED FROM THE ACTIVE FILE IN THE OFFICE UNTIL ALL VIOLATIONS CONTAINED THEREON ARE ABATED. ON FAILURE TO COMPLY WITH NOTICE, THE VIOLATOR IS SUMMONED BEFORE THE HEALTH OFFICER TO SHOW CAUSE FOR NEGLECT TO COMPLY WITH THE NOTICE. PERSONS WHO FAIL TO ANSWER THE SUMMONS OF THE HEALTH OFFICER AND THOSE WHO NEGLECT TO ABATE THE VIOLATIONS WITHIN THE TIME SET BY THE HEALTH OFFICER, ARE TURNED IN FOR LEGAL ACTION.

THE FOLLOWING PARTIAL LIST ENUMERATES TYPICAL UNSANITARY CONDITIONS ABATED BY OUR SANITARY INSPECTORS:

INSUFFICIENT HEAT IN HOMES AND OFFICES.	INSPECTION OF ROOMING HOUSES.
DEFECTIVE STAIR LEADERS AND GLITTERS.	ACCUMULATION OF GARBAGE AND REFUSE.
UNSANITARY YARDS, CELLARS AND ALLEYWAYS.	HOUSES UNFIT FOR HABITATION.
DARK AND WINDOWLESS ROOMS.	INSPECTION OF THEATRES, LODGING HOUSES,
BUILDINGS DEPRIVED OF CITY WATER.	BARBER SHOPS AND BEAUTY PARLORS.
DEFECTIVE PLUMBING.	DOG CONTROL.
INSPECTION OF CHICKEN MARKETS.	FOLLOW-UP OF DELINQUENT DOMESTIC REGISTRATION.

TWO INSPECTORS, INCLUDING AN ASSISTANT CHIEF INSPECTOR, ARE DETAILED WITH EMERGENCY CARS ON SPECIAL COMMISSIONS, PADING CITY COMPT, ENFORCING THE PROVISIONS OF THE DOG MUZZLING ORDINANCE AND CONVEYING PATIENTS FROM THE HEALTH DEPARTMENT TO THEIR HOMES OR INSTITUTIONS, IN ADDITION TO BEING ASSIGNED TO DISTRICT NO. 1.

DURING THE AVERAGE YEAR, OUR SANITARY INSPECTORS MAKE APPROXIMATELY 85,000 INSPECTIONS, FIND 27,000 NUISANCES AND STOP THE ABATEMENT OF 20,000 NUISANCES. THE REMAINING NUISANCES ARE ABATED THROUGH LEGAL ACTION.

YEARLY REPORT OF THE SANITARY DIVISION

	1937	1938	1939	1940	1941	1942	1943
TOTAL NUMBER OF INSPECTIONS	83075	83075	83727	84586	88951	92302	89717
INSPECTIONS (COMPLAINTS)	9664	10056	8745	8128	7529	9902	11731
NUMBER OF RE-INSPECTIONS	20071	24463	20266	21130	23392	21526	21105
NUMBER OF NUISANCES FOUND	18452	22453	18373	24991	25569	30517	35655
WRITTEN NOTICES SERVED	5917	8932	11078	10591	8145	13053	12246
ADJTEMENTS, WRITTEN NOTICES	5413	7494	10138	9788	6862	9312	9852

FUMIGATION - PEST CONTROL

JOHN F. LYNCH, CHIEF INSPECTOR, FUMIGATION

THE USE OF HYDRO-CYANIC ACID GAS FUMIGATION IS SO EFFICIENT FOR COMPLETE EXTERMINATION OF VERMIN AND RODENTS, THAT WE CONSIDER IT ESSENTIAL ESPECIALLY IN COMMERCIAL FOOD PROTECTION. FOR THAT REASON, AN ORDINANCE WAS ADOPTED A FEW YEARS AGO, WHICH REQUIRES THE LICENSING OF ALL SUCH FUMIGATORS, AND INDIVIDUAL PERMITS WITH SUPERVISION OF THIS DEPARTMENT OF EACH JOB. A WRITTEN EXAMINATION IS REQUIRED TO SECURE A LICENSE. THE MERIT OF THIS EFFORT IS PROVEN BY SEVERAL RECENT ACCIDENTAL DEATHS IN OTHER PARTS OF THE STATE. DURING THE PAST YEAR, THIS DIVISION SUPERVISED MORE THAN 400 FUMIGATIONS, AND MADE 258 INVESTIGATIONS OF RODENT AND INSECT CONDITIONS.

ONE OF OUR LARGEST HYDRO-CYANIC ACID GAS FUMIGATIONS THIS SEASON WAS THE SEVEN HOURS NO PROJECTS, CONSISTING OF 2,796 FAMILIES AND 7,000 PERSONS. FORTY-TWO WORKING DAYS WERE REQUIRED WITH 65 APARTMENTS FUMIGATED PER WORKING DAY.

THESE FAMILIES WERE REQUIRED TO VACATE PREMISES FOR 28 HOURS, TAKING ONLY ENOUGH CLOTHING AND BEDDING NECESSARY, TO PREVENT REINFESTATION UPON RETURNING. FORTY-SIX CASES OF COMMON CARP, 15 CASES WERE REMOVED TO THE SOLUTION HOSPITAL. JOSEPH MORRIS CASES OF CONTING ON WERE ALLOWED TO GO WITH THEIR FAMILIES WHERE NO SUSCEPTIBLES WERE WITH FAMILIES VISITED. OUR GREATEST PROBLEM WAS THE CARE OF INTERN BED-RIDDEN ADULT PATIENTS. BY ARRANGEMENTS WITH THE CITY HOSPITAL AND INFIRMARY AT THE ALMS HOUSE, THESE PATIENTS WERE KEPT UNTIL THREE DAYS AFTER PREMISES WERE RELEASED BY THIS DEPARTMENT.

FUMIGATION PRELIMINARIES -- AT 8 A.M., BUILDINGS WOULD BE TURNED OVER TO THE FUMIGATOR; SEALS WOULD CLOSE AND LOCK WINDOWS, OPEN BURGLAR DRAWS, OPEN CLOSET DOORS, ETC. THE INSPECTOR WOULD FAMILIARIZE HIMSELF WITH THE LAYOUT OF THE ROOMS, SEE THAT ALL LIVING PLANTS, FOODS, AQUARIUM FISHES, ETC., WERE MOVED, AND SEE THAT ALL OPENINGS WHERE GAS MIGHT POSSIBLY ESCAPE, WERE PROPERLY SEALED. BY 10 A.M., FUMIGATORS WOULD BE READY TO RELEASE HYDRO-CYANIC GAS, FOLLOWING ANOTHER FINAL CHECK UP.

ALL ENTRANCES WERE PLACARDED AND ALL DOORS LOCKED EXCEPT FUMIGATORS' EXIT DOOR. AFTER FUMIGATORS MADE THEIR EXIT, HEALTH DEPARTMENT SAFETY LOCKS WERE PLACED OVER LOCKED DOORS AND A WATCHMAN LEFT IN CHARGE WITH PROPER INSTRUCTIONS.

AFTER SEVEN HOURS EXPOSURE, ALL DOORS AND WINDOWS WERE REOPENED FOR START OF VENTILATION. THREE HOURS AFTER START OF VENTILATION, THE BEATING OF MATTRESSES AND PADDED FURNITURE WERE STARTED. AT 10 A.M., THE FOLLOWING DAY, ALL BEDDING, UPHOLSTERED FURNITURE AND CLOSETS WERE TESTED WITH ETHYL-ORANGE MERCURIC CHLORIDE TEST PAPERS, AND IF NO HCN WAS PRESENT, BUILDINGS WOULD BE TURNED OVER TO TENANTS AT 12 NOON BY THIS DEPARTMENT.

OVER 5,600 LBS. OF HYDRO-CYANIC ACID GAS WAS USED (ZYKLON DISCIDS 40 OZ. CONTAINERS). TOTAL BUILDINGS FUMIGATED, 95. TOTAL CUBIC FEET SPACE, 9,005,000 CU.FT. DOSE, 10 OZ. PER 1000 CU.FT. THIS DEPARTMENT WOULD LIKE TO THANK FUMIGATORS, SEALERS AND WATCHMEN FOR THEIR FINE COOPERATION WITH THIS DEPARTMENT.

THE FOLLOWING IS A TABULATION OF THE ACTIVITIES OF 1943

INVESTIGATIONS, RODENTS AND INSECTS	258
WRITTEN NOTICES SERVED	152
TOTAL NUMBER FUMIGATIONS	419
DEMOLITION OF STRUCTURES INSPECTED - 15 FUMIGATED CYANIC GAS	8
OCCUPIED DWELLING - HYDRO-CYANIC ACID GAS	115
FACTORIES, WAREHOUSES, FOOD PLANTS - HYDRO CYANIC ACID GAS	44
WAREHOUSE CHAMBER FUMIGATION - CHLOROPICRIN	26
FUMIGATORIUM - HYDRO CYANIC ACID GAS	19
VACANT LOTS, EMERGENCY FUMIGATION MEN, - CHLOROPICRIN	32
RUMMAGE SALES, FORMALDEHYDE	05

INDUSTRIAL HYGIENE DIVISION

LE IS E. RUTILLIER, CHIEF INSPECTOR - CHARLES E. MAQUERE, ASST CHIEF

[EMPHASIS HAS BEEN PLACED ON " INDUSTRIAL HYGIENE BY THE WAR EFFORT, AS A RESULT, MANY AGENCIES, INCLUDING DIVISIONS IN OUR OWN DEPARTMENT, HAVE REALIZED THE POSSIBILITIES WHICH THE INDUSTRIAL POPULATION OFFERS TO THEM FOR PROMOTION OF THEIR PARTICULAR SPECIALTY. NUTRITIONISTS ARE AWARE THAT A LARGE PERCENT OF THE COMMUNITY POPULATION CAN BE REACHED FOR THE PROMOTION OF NUTRITION BY USING THE INDUSTRIES IN THIS CITY.

THE INDUSTRIAL HYGIENE DIVISION HAS THE CONFIDENCE OF MANAGEMENT, LABOR UNIONS, ETC. THIS CONFIDENCE HAS BEEN REFLECTED THROUGH SATISFACTORY SERVICES IN THE PAST SUCH AS, THE CONTROL OF ACCIDENTS OR OCCUPATIONAL DISEASES. THUS, THE INDUSTRIAL HYGIENE DIVISION, AS THE OFFICIAL AGENCY, WILL ACT AS THE "LIAISON" FOR ALL SERVICES AVAILABLE, IN THIS DEPARTMENT AND IN THE COMMUNITY.

OUR INDUSTRIAL HYGIENE ENGINEER AND CHEMIST MADE 265 VISITS TO INDUSTRIAL ESTABLISHMENTS TO STUDY ATMOSPHERIC CONTAMINATION OF THE WORKING ENVIRONMENT BY DUSTS, FUMES, GASES, VAPORS AND MISTS. HE MADE FIELD DETERMINATIONS WITH THE NECESSARY INSTRUMENTS, AND LABORATORY ANALYSES OF ATMOSPHERIC SAMPLES COLLECTED TO DETERMINE WHETHER OR NOT AN EXPOSURE TO A TOXIC SUBSTANCE WAS A TRUE HAZARD.

LABORATORY ANALYSES NUMBERED 64 INCLUDING:

ISOCYANIDE FUMER	CARBON TETRACHLORIDE	TRICHLOROETHYLENE
CYANIDE	ACIDS	DUST COUNTS
ANILINE	LEAD	SILICON DIOXIDE
BENZOL	AMMONIA	LACQUER CONSTITUENTS

"CUTTING OILS (BACTERIOLOGICAL & CHEMICAL)

FIELD DETERMINATIONS NUMBERED 177 INCLUDING

CARBON MONOXIDE	TRICHLOROETHYLENE	HYDROGEN SULPHIDE
CARBON TETRACHLORIDE		AIR VELOCITY TESTS
MERCURY		HUMIDITY

STUDIES WERE MADE OF OCCUPATIONAL DERMATITIS IN THREE LARGE PLANTS. ALL THREE OF THE PLANTS WERE ENGAGED WAR PRODUCTION. IN EACH INSTANCE "CAUSE ANALYSIS" SHOWED WHAT THE OUTBREAK OF DERMATITIS WAS DUE TO, AND INDICATED CORRECTIVE OR PREVENTIVE MEASURES TO BE EMPLOYED. TWO OF THE OUTBREAKS WERE DUE TO CUTTING OILS AND THE THIRD WAS CAUSED BY CONTACT WITH A SYNTHETIC RUBBER MATERIAL. EACH OF THE WORKERS AFFECTED WERE PATCH TESTED.

INSPECTORS ACTIVITIES DURING 1943 - (TOTAL VISITS 8,380)

COMPLAINT INSPECTIONS	308
ORIGINAL	5253
REINSECTIONS	1951
TOTAL INSPECTIONS	7512

VIOLATIONS FOUND	707
ABATEMENTS	694

WRITTEN NOTICES SERVED	375
VERBAL " "	91
TOTAL " "	566

INDUSTRIAL HYGIENE SURVEYS	820
RECOMMENDATIONS GIVEN	250
RECOMMENDATIONS COMPLIED WITH	225
VISITS TO OCCUPATIONAL DISEASE CASES	5
INDIVIDUALS SUMMONED TO HEARINGS	83
CASES HEARD BY HEALTH OFFICER	55
LAW SUITS INSTITUTED	7
LAW " DISCONTINUED	3
PENALTIES FOR VIOLATIONS	\$100.
PENALTIES SUSPENDED	\$50.

ACTIVITIES TO INDUSTRY INCLUDED THE FOLLOWING:

VENTILATION: (GENERAL AND LOCAL EXHAUST) -	60
SANITATION -	250
SEPARATE LUNCH ROOMS -	55
PERSONAL PROTECTION	
CLOTHING -	20
GOGGLES -	25
RESPIRATORS -	45
NUTRITION -	15
LUBRICATION -	50
MED. CARE:	
PRE-PLACEMENT AND PERIODIC PHYSICAL EX.	150
MEDICAL RECORDS -	50
FIRST AID -	125
ABSENTEE RECORDS (AS TO CAUSE) -	95
GENERAL HEALTH PROGRAMS -	50
PREVENTION & CONTROL OF DERMATITIS ETC. -	40
EMPLOY PHYSICIANS -	25
EMPLOY NURSES -	60
USE V.N.A. SERVICES -	20
PLANT INSPECTIONS (PHYSICIANS, NURSES AND SAFETY ENGINEERS) -	140
WRITTEN STANDING ORDERS FOR NURSES -	125
REST PAUSES (MID MORNING & MID AFTERNOON) -	25
SUPPLEMENTARY FEEDING -	20

OUR TWO NURSES CARRIED OUT A PROGRAM WHICH BROUGHT TO INDUSTRY HEALTH SERVICES THAT HAVE AVAILABLE THROUGH THE INDUSTRIAL HYGIENE DIVISION. THIS WAS ACCOMPLISHED BY INTEGRATING INDUSTRIAL HYGIENE WITH OTHER HEALTH SERVICES IN THE HEALTH DEPARTMENT, THE COMMUNITY ETC., EXAMPLES OF THIS ARE, BLOOD TESTS OF WORKERS FOR THE SERO-DIAGNOSIS OF SYPHILIS, FLUOROSCOPIC CHEST EXAMINATIONS OF WORKERS FOR TUBERCULOSIS, FAMILIAR ZINC PLANT NUTRITION ETC., WITH THE SERVICES OF THE VISITING NURSES ASSOCIATION, DISTRICT OF LITERATURE PREPARED BY THE L.S.P.H. CO., TUBERCULOSIS ASSOCIATION AND THE METROPOLITAN LIFE INS. CO.; CHILD CARE CENTERS AND LITERATURE; DISTRIBUTING THE "MANUAL OF INDUSTRIAL NUTRITION" FOR THE INDUSTRIAL NUTRITION COMMITTEE OF THE ESSEX CO. NUTRITION COMMITTEE.

EACH OF THE VISITS TO INDUSTRIAL PLANTS WAS SELF-INITIATED AND USUALLY RESULTED IN AN INDUSTRIAL NURSING SURVEY. AS A RESULT OF THESE SURVEYS ADVICE WAS GIVEN TO MANAGE ENT, WHEN NO OTHER, TO EMPLOY A PLANT DISPENSARY, EMPLOY A PHYSICIAN, NURSE ETC., IMPROVEMENTS IN PRESENT MEDICAL NURSING FACILITIES, AND THE KEEPING OF MEDICAL RECORDS, ABSENTEE RECORDS (AS TO CAUSE) AND WRITTEN STANDING ORDERS OBTAINED BY THE PLANT PHYSICIAN FOR THE NURSES' USE.

NURSES ACTIVITIES - (TOTAL VISITS 553)

INDUSTRIAL NURSING SURVEYS -	171
FOLLOW UP VISITS -	127

FLUOROSCOPIC CHEST EXAMINATIONS OF 100 WORKERS	
FLUOROSCOPIC CHEST EXAMINATIONS	(2 PLANTS) 200 WORKERS

PLANTS INSTALLING NEW DISPENSARIES -	8
" EMPLOYING PHYSICIAN - (ON CALL) -	4
" REGISTERED NURSE (FULL TIME) -	15



DIVISION OF SANITARY ENGINEERING

CHARLES A. HALLGREN, CHIEF INSPECTOR -- PATRICK J. MONAGHAN, ASS'T. CHIEF INSPECTOR

ALL INSTALLATION OF PLUMBING SYSTEMS OR FIXTURES MUST COMPLY WITH PLANS APPROVED BY OUR DEPARTMENT AND CONFORM WITH PLUMBING CODE. PLUMBING INSPECTORS MAKE NECESSARY INSPECTIONS AND TESTS. THEY ALSO CO-OPERATE WITH OTHER DIVISIONS SUCH AS FOOD & DRUG AND SANITARY IN MAINTENANCE OF FACILITIES AS SEPARATE SINKS IN FOOD ESTABLISHMENTS ETC.

SPECIAL INSPECTIONS ARE MADE AFTER ALL FIRES FOR DAMAGE TO PLUMBING.

DUE TO A LACK OF MATERIALS, PLUMBING INSTALLATIONS IN DWELLINGS HAVE FALLEN OFF. THE GREATER PART OF THE PERMITS ISSUED DURING THE PAST YEAR WAS FOR INSTALLATIONS IN FACTORIES ENGAGED IN PRODUCING MATERIALS FOR THE WAR EFFORT.

DURING THE PAST YEAR IT BECAME NECESSARY TO MAKE SEVERAL MINOR CHANGES IN OUR PLUMBING CODE, PERMITTING THE USE OF A LIGHTER CAST IRON PIPE, WHICH IS KNOWN AS VICTORY PIPE, IN PLACE OF THE EXTRA HEAVY PIPE HERETOFORE USED FOR SEWERAGE PURPOSES. THIS WAS NECESSARY BECAUSE OF THE SHORTAGE OF IRON AND THE CHANGE IN THE PLUMBING CODE IS FOR THE DURATION ONLY.

THE NUMBER OF MASTER PLUMBER LICENSES ISSUED IS ABOUT THE SAME AS THE PREVIOUS YEAR, ALTHOUGH MANY OF THE LICENSED PLUMBERS ARE ALSO EMPLOYED IN WAR PLANTS.

	1936	1937	1938	1939	1940	1941	1942	1943
PLANS APPROVED - NEW SYSTEMS - - - - -	161	202	140	189	206	168	135	142
PLANS APPROVED - OLD SYSTEMS - - - - -	1386	1276	1227	1194	1157	1004	677	562
SEWER INSPECTIONS - - - - -	202	271	235	263	294	186	121	128
PLUMBING INSPECTIONS - - - - -	6353	6435	5560	4694	3777	2510	2243	2190
SPECIAL INSPECTIONS - - - - -	2464	2764	3347	3640	4916	4713	6628	6792
FIRE PLUMBING INSPECTIONS - - - - -	493	1380	1395	1260	1315	108	106	728
WATER TESTS - - - - -	549	558	453	433	470	379	194	153
SMOKE TESTS - - - - -	62	92	63	51	75	83	35	48
PLUMBING PERMITS ISSUED - - - - -	1547	1478	1367	1385	1363	1169	812	704
SEWER PERMITS ISSUED - - - - -	100	115	91	154	108	109	39	82
SEWAGE PERMITS ISSUED - - - - -	83	92	95	80	85	55	82	44
CESSEPOOL PERMITS ISSUED - - - - -	5	4	7	2	1	1	3	8
SEPTIC TANK PERMITS ISSUED - - - - -	6	3	1	2	1	2	3	8
COMPLAINTS RECEIVED - - - - -	551	513	539	593	490	484	531	583
VIOLATIONS NOT CORRECTED - - - - -	122	05	263	3	279	131	244	205
NOTICES COMPLIED WITH - - - - -	440	64	215	246	257	270	210	175
LAW SUITS INSTITUTED - - - - -	12	6	40	71	66	28	27	44
LAW SUITS DISCONTINUED - - - - -	9	5	17	35	77	10	19	36
PENALTIES FOR VIOLATIONS - - - - -	\$ 45.	\$ 5.	\$100.	\$ 95.	\$ 15.	\$115.	\$ 50.	\$ 45.
MASTER PLUMBERS LICENSE EXAM. - - - - -	19	12	9	7	9	11	12	10
MASTER PLUMBERS LICENSE EXAM. PASSED - - - - -	10	9	4	6	8	7	9	9
MASTER PLUMBERS LICENSE ISSUED - - - - -	469	461	461	436	438	424	419	401
COMPLAINTS FROM FOOD & DRUG DIV. - - - - -	-	-	799	311	318	166	229	79
CROSS CONNECTIONS DISCONTINUED - - - - -	-	-	15	11	13	47	38	12
WATER SAMPLES COLLECTED - - - - -	-	-	833	1055	255	1363	1231	1138
INSPECTIONS - OIL BURNER INSTALLATIONS - - - - -	-	-	-	1020	5459	733	115	-
COMPLAINTS FROM VETERINARY DIV. - - - - -	-	-	-	-	28	14	6	3
FIRES REPORTED FOR PLUMBING INSPECTIONS - - - - -	-	-	-	-	1638	1889	1910	1940
ICE SAMPLES COLLECTED - - - - -	-	-	-	-	11	11	7	4
DAMAGE TO LIVER INB (FORMERLY BY INDUSTRIAL HYGIENE DIVISION) - - - - -	-	-	-	-	-	393	332	282
INVESTIGATION OF GAS LEAKS CAUSING ACCIDENTAL DEATH - - - - -	-	-	-	-	-	-	-	3



COMMUNICABLE DISEASE DIVISION

DR. J. W. GARDAM, MEDICAL DIRECTOR -- LEO G. DUFFY, CHIEF INSPECTOR

THE COMMUNICABLE DISEASE DIVISION IS RESPONSIBLE FOR CONTROLLING AND PREVENTING THE SPREAD OF DISEASES OTHER THAN VENEREAL AND TUBERCULOSIS. CASES REPORTED TO US BY PHYSICIANS, NURSES, ETC., ARE VISITED, ISOLATED, ESTABLISHED AND CONTACTS QUARANTINED, PLACARDS PLACED, AND CASES FINALLY RELEASED AT THE TERMINATION OF THE USUAL PERIOD ESTABLISHED BY LAW. MANY HOMES ARE RE-VISITED FREQUENTLY WHERE IT IS NECESSARY TO MAINTAIN STRICT SUPERVISION TO ENSURE PROPER QUARANTINE. ALL CONTACTS TO DISEASES ARE EXAMINED BY THIS DIVISION BEFORE RETURNING TO SCHOOL OR BUSINESS.

THIS YEAR HAS SEEN ONE TREMENDOUS CHANGE IN THIS DIVISION, THE REPLACEMENT OF SEVERAL MALE INSPECTORS BY FEMALE NURSES. THIS IS IN LINE WITH THE BEST PUBLIC HEALTH PRACTICE. THESE NURSES GIVE MOTHERS INSTRUCTION IN BEDSIDE CARE AND CONCURRENT DISINFECTION.

FOUR DIPHTHERIA CASES AND ONE DEATH SPOILED A LONG RECORD FREE OF THIS DISEASE. IT IS SIGNIFICANT THAT EACH OF THESE CASES OCCURRED IN UNVACCINATED CHILDREN AND THE FATAL CASE HAD RECENTLY COME TO NEWARK FROM THE SOUTH. THE GERMAN MEASLES DEVELOPMENT IS STRIKING. PRIOR TO 1941, THE HIGHEST NUMBER EVER REPORTED WAS 2,229 IN 1924. AND THE NORMAL WAS ABOUT 300, YET IN 1941 THERE WERE 6,552 WITH 2,266 IN APRIL, AND IN 1943 THERE WERE 9,113, WITH 3,780 IN MAY ALONE. THE CEREBRO SPINAL MENINGITIS SITUATION IS INTERESTING IN THAT THE DISEASE STILL INCREASES, FROM 31 TO 136 IN THE TWO YEAR PERIOD UNDER STUDY. HOWEVER, THE NEWARK SITUATION IS NO DIFFERENT THAN ANY OTHER BIG CITY IN THE UNITED STATES AND CANADA. FOR SOME UNKNOWN REASON THIS DISEASE ALWAYS INCREASES IN WAR TIME, PROBABLY THE CROWDING, INCREASED TRAVEL, ETC., PLAY THEIR PARTS. A CAREFUL STUDY OF STATISTICS FROM THE MAJOR CITIES SHOWS US TO BE ON A PAR WITH THEIR CASE RECORD.

TOTAL NUMBER OF INSPECTORS' VISITS - 1933 TO 1943

1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943
36,116	38,613	37,618	25,483	28,368	23,785	2,814	30,141	34,906	36,967	37,177

MORBIDITY REPORT -- 1935 TO 1943

DISEASE	1935	1936	1937	1938	1939	1940	1941	1942	1943
* DIPHTHERIA	12	2	5	23	13	NONE	2	NONE	4
* SCARLET FEVER	643	3146	504	496	1201	931	1087	645	401
* TYPHOID FEVER	15	11	6	5	25	6	12	5	8
PARA TYPHOID	1	1	1	2	5	1	3	1	0
TUBERCULOSIS	154	645	575	600	534	586	612	674	705
UNDULANT FEVER	0	1	5	1	10	3	5	0	3
TRICHINOSIS	0	0	2	0	0	0	3	3	5
LOBAR PNEUMONIA	1092	1013	1210	889	1069	994	912	952	1145
BRONCHITIS	912	818	928	715	662	583	599	597	799
* EPIDEM-MENING.	8	47	24	4	3	7	4	36	136
* INFANT-PARALYSIS	49	4	19	6	5	10	18	37	13
* WHOOPING COUGH	2389	154	329	2116	2343	1051	1302	1534	1088
* MEASLES	6907	643	9323	399	163	6878	4259	4105	4987
GERMAN MEASLES	1069	375	445	91	81	170	6552	379	9113
* CHICKENPOX	2630	2069	2571	4164	1173	2439	3632	2957	4484
* MUMPS	1040	2952	919	1094	679	3503	1389	578	3094
ERYSIPELAS	145	134	96	120	8	88	89	92	49
VINCENTS ANGINA	210	174	162	221	182	140	98	416	428
OPHTHALMIA NEON.	7	126	121	155	151	127	58	91	61
PUERPERAL FEVER	7	0	1	1	0	4	4	0	2
DYSENTERY	2	1	5	3	1	2	2	2	6
TETANUS	5	3	3	1	2	1	2	3	0
INFLUENZA	259	236	312	39	104	89	424	138	194

* PLACARDED, TYPHOID FEVER AND INFANTILE PARALYSIS INvariably HOSPITALIZED.

** WHOOPING COUGH - ARM BANDS ON PATIENTS.

FOOD & DRUG DIVISION

JOSEPH E. CONNOLLY - CHIEF INSPECTOR

DURING 1943 A CITY-WIDE INVESTIGATION OF VARIOUS BRANDS OF CANDIES, PARTICULARLY THE FIVE-CENT VARIETIES DISCLOSED THE PRESENCE OF MANY WHICH WERE UNSUITABLE FOR HUMAN CONSUMPTION CAUSING MANY EMBARRASSES AND CONDEMNATIONS AND A MAJOR NEWSPAPER PUBLICITY CAMPAIGN. THESE CANDIES, COMPOSED MOSTLY OF CHOCOLATE, FRUITS AND NUTS WERE FOUND IN A WORRYING AND WOOLY CONDITION, BROUGHT ABOUT BY IMPROPER STORAGE, MOISTURE, HUMIDITY, EXTREMES OF TEMPERATURE AND STOCKS OF OLD CANDIES.

THE GREAT SHORTAGE OF MATERIALS AND EXPERIENCED HELP TO CARRY OUT CLEANING PROCEDURES USED IN THE MANUFACTURE AND PREPARATION OF CANDIES AND CONFECTIONS, THE CONSEQUENT INCREASED DEMAND AND TOO FREQUENTLY LAXITY OF INDIVIDUALS FROM THE MANUFACTURE TO THE RETAILER, ARE SOME OF THE FACTORS THAT WE MUST CONTEND WITH TODAY.

THE GREAT FLUCTUATION IN THE PRODUCTION OF MILK ON OUR FARMS, DUE TO NUMEROUS FARM PROBLEMS AND SHORTAGES IN THE PAST YEAR HAS CAUSED A TREMENDOUS CONSTRAINT IN THE MANUFACTURE OF BUTTER AND OTHER BY-PRODUCTS. THIS SITUATION CREATED AN IDEAL CONDITION FOR AN ADULTERATED BUTTER FINDING TO OCCUR. VIGILANCE ON THE PART OF INSPECTORS RESULTED IN THEIR BEING UNCOVERED. SIX INDIVIDUALS PLEADED GUILTY, WERE FINED \$100 AND WARNED THAT A SECOND OFFENSE WOULD RESULT IN IMPRISONMENT. CONSIDERABLE PUBLICITY WAS OBTAINED AND THE PUBLIC WAR GUARANTEED AGAINST DEALING WITH UNKNOWN INDIVIDUALS AND BLACK MARKET OPERATORS.

DURING THE YEAR 1943 A SURVEY WAS MADE OF SOME TWENTY LARGE INDUSTRIAL PLANTS WHICH HAD ESTABLISHED EMPLOYEES' CAPTETERIAS. SHAFTS OF UTENSILS, GLASSWARE, ETC. WERE TAKEN FOR LABORATORY EXAMINATION. THE INVESTIGATION AND LABORATORY REPORTS INDICATED THAT THESE CAPTETERIAS WERE IN PARTICULARLY FINE SHAPE AND THAT THEIR METHODS OF OPERATION AND STERILIZATION OF UTENSILS WERE SATISFACTORY, AND EFFICIENT. IN THIS WORK WE WERE COOPERATING WITH THE WORK OF THE DEPARTMENT DIET CLINIC AND THE NURSES OF THE INDUSTRIAL HYGIENE DIVISION.

INVESTIGATION OF BOX LUNCH VENDORS

ALL BOX LUNCH DEALERS OPERATING IN THE CITY OF NEWARK WERE INVESTIGATED AS TO:

1. THE SOURCE OF THEIR SUPPLIES
2. THE PROPER HANDLING OF THESE BOX LUNCHES
3. THE CONDITION OF THEIR VEHICLES
4. REFRIGERATED FACILITIES FOR HANDLING MILK AND MAINTAINING SAME AT A TEMPERATURE OF 50°F OR LESS.

SAMPLES OF THE CONTENTS OF MANY OF THE BOX LUNCHES BEING SOLD WERE TAKEN FOR LABORATORY EXAMINATION TO DETERMINE ITS FITNESS FOR HUMAN CONSUMPTION. THE PLANTS WHERE THESE BOX LUNCHES WERE BEING PREPARED WERE INSPECTED AS TO SANITARY CONSTRUCTION, EQUIPMENT AND METHODS OF OPERATION.

SANITARY GLASSES

FOR YEARS, DISHWASHING HAS BEEN VIEWED AS A NECESSARY EVIL IN THE FOOD HANDLING BUSINESS. KNOWN DETERGENTS OR INADEQUATE SUPPLIES OF WATER OF THE PROPER TEMPERATURE MAY NEGATIVE THE RESULTS OF THE BEST EQUIPMENT OR EFFORTS. OF WHAT USE IS RINSING IF THE RINSE WATER IS NOT HOT ENOUGH OR THE RINSE LONG ENOUGH TO BE OF ANY REAL USE? HOT WATER, AFTER ALL REPRESENTS MONEY TO ANY ESTABLISHED OPERATOR, AND FREQUENTLY THERE IS AN INSUFFICIENT SUPPLY OF WATER OF A HIGH ENOUGH TEMPERATURE.

AN INTENSIVE CAMPAIGN HAS BEEN CONDUCTED THROUGHOUT THE CITY TO SEE THAT DISHES, GLASSES AND TABLEWARE ARE PROPERLY SANITIZED AND THAT ALL OPERATORS OF THEIR FOOD ESTABLISHMENTS AND THEIR PERSONNEL ARE FULLY AWARE OF THE VITAL IMPORTANCE OF EFFECTIVELY STERILIZING SAME. LABORATORY CHECK SAMPLES ARE TAKEN AND VIOLATORS ARE MADE AWARE OF THEIR FAILURE TO PROPERLY STERILIZE AND TO DETERMINE JUST WHERE AND WHY THEY ARE AT FAULT.

CITY AND COUNTRY MILK GO TRO. IN 1943

DURING 1943 A CAMPAIGN WAS CARRIED OUT TO EDUCATE RESTAURANTS, SODA FOUNTAINS IN THE SALE OF MILK FROM SEVERAL KINDS OF NON-VIOLENT BOTTLE. MANY RESTAURANT AND LUNCHEONETTE OPERATORS HAD INCURRED PENALTIES FOR SELLING MILK LOW IN BUTTERFAT AND TOTAL SOLID CONTENT, DUE TO NON-USE OF ONE ON THE PART OF THEIR HELP IN FAILING TO PROPERLY SHAKE AND MIX THE CONTENTS OF QUART SIZE BOTTLES OF MILK SO THAT THE FAT AND SOLIDS WERE EVENLY DISTRIBUTED THROUGHOUT THE BOTTLE. THE FIRST TWO TIES OF MILK CONTAIN MOST OF THE FAT AND SOLIDS AND THE LAST QUARTER OF THE BOTTLE WERE MERELY SKIMMED MILK.

TO OVERCOME THIS, OUR DEPARTMENT HAS BEEN RECOMMENDING THE USE OF INDIVIDUAL HALF PINT BOTTLES OF MILK OR HOMOGENIZED QUART BOTTLES OF MILK. EXPERIENCE HAS SHOWN THAT EITHER OF THESE METHODS HAS REDUCED TO A MINIMUM THE SALE OF MILK THAT HAS LESS THAN THE LEGAL CONTENT OF BUTTERFAT OR SOLIDS.

SHORTAGES OF COMMERCIAL VEHICLES AND THE RATIONING OF TIRES AND GAS HAS CREATED NUMEROUS PROBLEMS FOR THE MILK INDUSTRY PARTICULARLY IN THE DELIVERY OF DELIVERIES. THE OUTCOME OF THESE PROBLEMS, HAS BEEN SKETCHY DELIVERY, CONSOLIDATION OF MILK DELIVERIES, WHICH HAS BEEN AIDED BY THE PLANTING OF MIDWINTER PLANT CROPS WITH OVER 10% BUTTERFAT CONTENT. A DROP IN THE PRODUCTION, MANUFACTURE AND SALE OF ICE CREAM, RATIONING OF CHEESE, ETC. EVERY MOVE HAS BEEN MADE WITH THE AIM OF FURTHERING OUR WAR EFFORTS.

THE MILK INDUSTRY HAS BEEN HARD PUT TO KEEP THEIR PLANTS OPERATING TO FULL CAPACITY DESPITE LACK OF EQUIPMENT REPLACEMENTS, LABOR, ETC. AND STILL MAINTAIN THEIR HIGH QUALITY AND STANDARD OF MILK PRODUCTION AND PROCESSING. HOWEVER, DESPITE ALL THESE HANDICAPS THEY MANAGED TO DO A FINE JOB DURING THE YEAR 1943.

TRANSPORTATION DIFFICULTIES HAS MADE IT NECESSARY FOR THE DIVISION TO RE-THINK ITS DELIVERY SCHEDULE, PLACING GREATER STRESS ON PLANT INSPECTION AND CONTROL WORK, MILK SAMPLING AND SWEARS AND SEDIMENT TESTING OF FARMERS' MILK AT THE PLATFORM, PLANT LABORATORY CONTROL WORK, ETC.

MILK AND DAIRY INSPECTION REPORT

	INSP.	RE-INSP.	TOTAL	EXCLUDED
PASTEURIZING PLANTS - - - - -	144	20	164	-
RECEIVING PLANTS - - - - -	359	18	377	115
DAIRIES - - - - -	10899	534	11433	362
MILK CONDEMNED	49,023	QUARTS		

COMPOSITE AVERAGES OF NEWARK'S MILK SUPPLIES

GRADES OF MILK	NO. SAMPLES	BACTERIA PER C.C.	% BUTTER-FAT	% TOTAL SOLIDS
CERTIFIED - - - - -	42	4,250	3.83	12.83
FARMER - - - - -	788	11,170	4.29	12.90
PASTEURIZED - - - - -	1,364	11,570	3.70	12.37
TOTAL-GRAND AVERAGES - - - - -	2,194	11,280	3.91	12.57

THESE AVERAGES DO NOT INCLUDE THE ABNORMAL COUNTS ON 10 SAMPLES OBTAINED THROUGH SUB-OFFENSES, WHICH COUNTS WERE IN THE MILLIONS AND OUT OF LINE WITH THE SAMPLES OBTAINED THROUGHOUT THE YEAR FROM SAID SUPPLIES.

DAILY MILK CONSUMPTION

POPULATION 440,000	DAILY MILK CONSUMPTION - -	263,748 479.
		1.2 PINTS PER CAPITA PER DAY

PRINCIPAL CITY FOOD AND DRUG INSPECTIONS

TYPE OF FOOD ESTABLISHMENTS	1937	1938	1939	1940	1941	1942	1943
RESTAURANTS, LUNCHROOMS, ETC. - - -	5840	6064	7934	7333	5721	5483	9707
CAFES-TAVERNS - - - - -	3759	3514	3238	2832	2927	2854	4036
BAKERIES-MFG. PLANTS - - - - -	516	687	1377	951	1015	1152	470
RETAIL STORES - - - - -	766	1365	1011	978	547	612	495
WHOLESALE DEALERS - - - - -	59	47	111	82	159	79	65
CANDY-RETAIL STORES - - - - -	1696	2577	262	2602	2380	2350	2259
GROCERIES-RETAIL STORES - - - -	2810	5367	5880	5257	6723	4986	4058
PRODUCE-RETAIL STORES - - - - -	735	1053	1189	1063	900	931	331
DRUGS-RETAIL STORES - - - - -	272	465	426	62	620	376	480
ICE CREAM-MFG. PLANTS - NEWARK	198	183	213	146	116	169	165
MFG. PLANTS-OUT OF CITY - - - -	52	51	115	67	65	91	68
NON-ALCOHOLIC BEV. PLANTS-NEWARK	46	155	75	86	40	16	65
OUT OF CITY - - - - -	2	16	45	2	5	23	6
MISCELL. WHOLESALE & FOOD MFG. - -	-	-	327	433	172	273	590
MISCELLANEOUS - - - - -	-	-	244	189	715	459	440
SPECIAL INVESTIGATIONS - - - -	1754	1443	1035	905	1488	674	1362
TOTAL INSPECTIONS - - - - -	19667	23734	25775	23184	23607	22477	24254

OF THE TOTAL INSPECTIONS, 13,917 WERE REINSPECTIONS AND 2,987 NOTICES WERE SERVED. PRACTICALLY ALL VIOLATIONS ABATED; THE ABOVE ARE THE MOST FREQUENT BUT DO NOT INCLUDE MANY VARIED TYPES OF INSPECTIONS.

REPORT ON COLON BACTERIA TAKEN FROM NEWARK TAVERNS FOR BACTERIOLOGICAL ANALYSIS

	1941		1942		1943	
	NO. SAMPLES	%	NO. SAMPLES	%	NO. SAMPLES	%
NO. OF TAVERNS FROM WHICH SAMPLES WERE TAKEN	708		705		725	
TOTAL NUMBER OF BACTERIAL SAMPLES TAKEN	1000		1375		1860	
NO. FOUND STERILE - - - - -	234	23.40	397	27.32	951	51.24
NO. WITH COUNTS FROM 1 TO 1,000 - - - -	188	18.80	335	24.36	405	21.77
NO. " " " 1,001 TO 100,000 - - - -	452	45.20	538	39.13	432	23.60
NO. " " " OVER 100,000 - - - - -	126	12.60	103	7.49	63	3.39
AVERAGE BACTERIA COUNT - - - - -	61000		38,100		53,100	
SAMPLES SATISFACTORY - - - - -	674	67.40	272	22.51	1777	96.61
" UNSATISFACTORY - - - - -	126	12.60	103	7.49	63	3.39
TOTAL NUMBER OF COLON SAMPLES TAKEN	1000		1375		1860	
NO. FOUND STERILE - - - - -	616	61.60	916	66.62	1412	79.34
NO. WITH COUNTS FROM 1 TO 50 - - - - -	187	18.70	209	15.20	136	7.32
NO. " " " OVER 50 - - - - -	197	19.70	250	18.18	250	13.44
AVERAGE COLON COUNT - - - - -	83		79		62	
SAMPLES SATISFACTORY - - - - -	803	80.30	1125	81.82	1610	86.66
" UNSATISFACTORY - - - - -	197	19.70	250	18.18	250	13.44

VETERINARY DIVISION

BERNARD J. DROLET, V.M.D. - CHIEF VETERINARIAN

THIS DIVISION INSPECTS EVERY BUTCHER SHOP AND ALL ESTABLISHMENTS WHERE MEAT IS PREPARED OR HANDLED. ALL MEAT TRUCKS, POULTRY AND MEAT FREIGHT CARS AND SLAUGHTERHOUSES ARE ALSO INSPECTED FOR SANITATION AND QUALITY OF MEAT.

THE STATE LAW REQUIRES ALL PRODUCERS OF FOOD STUFFS TO SO MARK THEIR PRODUCTS THAT THE ORDINARY INDIVIDUAL MAY BE ABLE TO ASCERTAIN THE PROCESSOR'S NAME AS WELL AS THE INGREDIENTS OF THE PRODUCT.

THE GREAT DEMAND FOR MEAT SUPPLIES TO BE SHIPPED ABROAD TO OUR OWN SOLDIERS AND OUR ALLIES HAS CAUSED A VERY DEFINITE CURTAINMENT IN THE MEAT SUPPLY. THIS DEPARTMENT COOPERATED WITH CAPTAIN BRADY IN THE FIGHT AGAINST THE RESULTANT BLACK MARKET.

THE GREATER PART OF OUR MEAT SUPPLY HAS BEEN SLAUGHTERED BY THE COUNTRY'S FIVE LARGE PACKING HOUSES WITH A FEW SMALL SLAUGHTERHOUSES IN SOME OF THE LARGER CITIES. UNDER LOCAL INSPECTION AND A GREAT AMOUNT OF SMALL UNSANITARY SLAUGHTERING DONE IN THE COUNTRY TO SUPPLY THE FARM PEOPLE AND SUBURBAN TOWNS. THE LATTER SLAUGHTERING IS OFTEN DONE UNDER NO FORM OF INSPECTION WHATSOEVER.

TO HELP FILL THE VOID IN THE BEEF SUPPLY, AN ORDINANCE WAS ADOPTED PERMITTING THE SALE OF HORSE FLESH WHICH IS ADMITTEDLY GOOD FOOD, UNDER CERTAIN REGULATIONS IN NEWARK.

DURING THE YEAR, 31,489 CATTLE, CALVES, SHEEP AND HOGS WERE INSPECTED AND PASSED AT WHARFHOUSES. COUNTRY DRESSED CALVES INSPECTED NUMBERED 7,697 TOGETHER WITH 1,179 DRESSED HOGS, SHEEP AND GOATS. CONDEMNATIONS DURING THE YEAR INCLUDED 73,584 LBS. OF SKELLETINOUS MEATS, 49,382 POULTRY, 299 LBS. HORSEMEAT AND CONSIDERABLE QUANTITIES OF PROVISIONS AND 102 CARCASSES OF ANIMALS.

INSPECTIONS

	<u>1938</u>	<u>1939</u>	<u>1940</u>	<u>1941</u>	<u>1942</u>	<u>1943</u>	<u>NO. OF SHOPS</u>
BUTCHER SHOPS	23,186	33,712	22,371	23,489	21,383	20,920	632
FISH STORES	4,223	5,827	3,559	3,556	3,225	3,111	93
BOLOGNA KITCHENS	1,158	1,471	1,664	2,638	1,425	1,573	35
POULTRY SLAUGHTERHOUSES	1,881	2,197	1,580	2,045	1,084	1,602	60
WHOLESALE BEEF HOUSES	6,167	7,102	4,874	4,616	3,966	4,351	36
" FISH "	927	1,121	832	808	805	710	12
" LIVE POULTRY "	2,212	2,651	3,044	4,123	3,038	3,128	10
PUBLIC MARKETS	1,161	1,372	401	827	1,039	1,354	37
MEAT PACKING PLANTS	-	-	564	579	509	470	3
HORSE MEAT PLANTS	-	-	-	-	-	418	2
REFRIGERATING PLANTS	30	42	21	12	39	56	1
INSTITUTIONAL MEAT	971	1,064	751	598	465	492	3
" ICE-BOXES	457	492	415	349	289	234	3
ABATTOIRS	30	56	75	65	65	40	7
PET SHOPS	424	627	300	420	382	743	19

CITY DISPENSARY

DR. AARON M. HASKIN, MEDICAL RECEIVING OFFICER
 MELBA RYAN, M.N., SUPERVISOR NURSES & CLINIC -- OSCAR STEJENS, CHIEF PHARMACIST

THE REDUCTION IN POVERTY AND ITS NATURAL REDUCTION IN THE NUMBER OF INDIVIDUALS UNABLE TO PAY FOR MEDICAL CARE IS GRAPHICALLY REFLECTED IN THE ANNUAL REPORT OF THE CITY DISPENSARY.

THE NUMBER OF TREATMENTS GIVEN, TOTALLED 35,990 COMPARED WITH 62,595 IN 1942. IN 1940 THERE WERE 117,263 TREATMENTS AND IN 1941 IT WAS 95,275. THESE TREATMENTS DID NOT INCLUDE THE EXAMINATIONS AND TREATMENTS IN SUCH CLINICS AS THE EXAMINATION OF FOOD-HANDLERS AND DOMESTICS, VENEREAL DISEASE TREATMENTS, AND TREATMENTS IN THE VARIOUS TUBERCULOSIS CLINICS. SPECIAL DIVISIONS WITH SEPARATE CLINICS ARE MAINTAINED FOR ALL SUCH WORK. THERE WERE 35,237 FREE PRESCRIPTION FILLED AT THE DISPENSARY PHARMACY, COMPARED WITH 67,154 IN 1942. IN 1940 THAT FIGURE HAD REACHED A TOTAL OF 125,250. IN ADDITION TO TREATMENT OF THE POOR, THE DISPENSARY PHARMACY HANDLES THE VACCINE, SERUM AND OTHER MATERIAL USED IN PUBLIC HEALTH WORK. FOR EXAMPLE DURING THE YEAR, 15,124 SMALLPOX VACCINE POINTS WERE DISTRIBUTED TO PRIVATE PHYSICIANS AS WELL AS CHILD HYGIENE STATION. TWO-THIRDS OF THIS MATERIAL WAS SUPPLIED WITHOUT COST, BY THE DEPARTMENT OF HEALTH. THE DEPARTMENT ALSO DISTRIBUTED 3,203 PACKAGES OF COD LIVER OIL CAPSULES, USED MOSTLY AMONG UNDER NOURISHED SCHOOL CHILDREN, AND IN THE BABY STATIONS.

THE REDUCED NUMBER OF TREATMENTS MADE IT POSSIBLE TO INCREASE OUR PUBLIC HEALTH FUNCTIONS IN COMBATING WAR TIME CONDITIONS SUCH AS TUBERCULOSIS. EARLY IN THE YEAR A COMPLETE NEW X-RAY EQUIPMENT WAS SECURED WHICH SERVES THE OCCUPATIONAL AND TUBERCULOSIS CLINICS, AS WELL AS THE DISPENSARY PATIENTS. DURING THE YEAR 19,548 X-RAY PICTURES WERE TAKEN OF 18,904 DIFFERENT INDIVIDUALS. WITH THE NEW EQUIPMENT, THE MORE EXPENSIVE 4"x5" PICTURES ARE TAKEN WHICH MAKES IT POSSIBLE TO DETECT TUBERCULOSIS IN ITS EARLY STAGES. WHEN SUSPICIOUS, THE LARGER PICTURES ARE TAKEN, OF WHICH 1,608 WERE MADE.

DIRECTOR BRADY ALSO MADE A DRASTIC CHANGE IN THE HOME CARE OF THE INDIGENT SICK. THE ARE INDIGENTS WITH THE MEDICAL SOCIETY BEGINNING NOVEMBER 1ST, RELIEF CLINICS ARE GIVEN FREE CHOICE OF PHYSICIAN. THOSE FEES ARE PAID BY THE RELIEF DEPARTMENT WHICH IN TURN RECEIVES 40% OF THE COST FROM THE STATE.

UP TO NOVEMBER 1ST, 6,235 DISTRICT DOCTOR CALLS WERE MADE UNDER THE FORMER PROCEDURE COMPARED WITH 13,031 IN 1942 AND 24,418 IN 1941. THE NUMBER OF DIFFERENT PATIENTS TREATED IN THE DISPENSARY CLINICS FELL TO 9,453 LAST YEAR COMPARED WITH 17,577 IN 1942. IN 1939 THE DISPENSARY TREATED 37,672 DIFFERENT PATIENTS.

IN ADDITION TO THE DENTAL CLINIC CONDUCTED IN THE MAIN DISPENSARY CLINIC BUILDING, THE DEPARTMENT ALSO HAS NEIGHBORHOOD DENTAL CLINICS AT WILSON AVE. PUBLIC SCHOOL, 16TH AVE. BABY STATION, AND BAXTER TERRACE HOME PROTECT CLINIC. ALL OF WHICH ARE OPERATED BY DISPENSARY DENTISTS AND NURSES. THERE ARE ALSO SEVERAL DENTAL CLINICS IN SOME OF THE NEIGHBORHOODS WHICH ARE CARED FOR BY THE PUBLIC HEALTH NURSES AND DISPENSARY DENTISTS.

AT THE MAIN DENTAL CLINIC THERE WERE 6,545 TREATMENTS. THIS INCLUDED 2,682 EXTRACTIONS AND 799 FILLINGS. AT THE WILSON AVE. CLINIC, THERE WERE 583 TREATMENTS; 6TH AVE. CLINIC, 1,450 TREATMENTS; AND BAXTER TERRACE, 1,322 TREATMENTS.

THE GREAT REDUCTION IN OUR DENTAL AND OTHER CLINICS MADE IT POSSIBLE FOR THE DEPARTMENT TO ASSIGN A STAFF OF DENTISTS AND CLINIC PHYSICIANS, TO CARRY OUT THE EXAMINATIONS OF ALL CITY SCHOOL CHILDREN DURING THE PAST YEAR. THIS IS AN EXCELLENT PUBLIC HEALTH PROCEDURE, WHICH WE HAVE BEEN UNABLE TO PROVIDE HERETOFORE.

CLINIC ATTENDANCE TREATMENTS .

	1937	1938	1939	1940	1941	1942	1943
MEDICAL - - - - -	25810	28863	33942	29927	22839	15072	8098
CHILDREN - - - - -	4935	5692	5720	4592	3755	2353	1081
SURGICAL - - - - -	10507	11435	11305	8505	7101	4895	2688
GYNAECOLOGICAL - - - - -	180	2208	2292	1794	144	88	257
SKIN - - - - -	7030	8040	6872	6081	4603	2921	1114
RECTAL & G. E. - - - - -	4116	5742	3145	6428	4930	2819	911
ORTHOPEDIC - - - - -	5417	5990	6142	5581	4973	3440	2828
DENTAL - - - - -	17797	2547	23544	17938	12740	1747	5679
NEURO-PSYCHIATRY - - - - -	490	806	2093	2046	544	48	895
ESSEX COUNTY HOSPITAL - - - - -	380	386	465	445	338	257	203
NERVOUS DISEASES - - - - -	3172	3765	4107	3562	3227	2203	1649
METABOLIC - - - - -	5105	5745	6027	5441	4648	2809	1144
VARICOSE VEINS - - - - -	1629	1904	2178	2155	2620	1614	550
VACCINATION - - - - -	1181	1076	1059	1100	1528	1768	545
ALLYNE LAMP - - - - -	874	614	745	553	551	285	280
MASAGE & ELECTROTHERAPY - - - - -	2825	1783	1729	1450	1051	883	1129
HERNIA - - - - -	427	610	727	817	538	245	87
PHYSICAL THERAPY & VACCINIZATIONS - - - - -	899	537	62	471	2749	969	379
INSULIN & OTHER INJECTIONS - - - - -	4076	4503	3996	4089	1144	1682	1220
BLOOD COUNTS - - - - -	529	669	788	1036	1043	604	446
URINALYSIS - - - - -	3696	4095	4093	3561	3086	1970	2238
CIRCUMCISION - - - - -	"	"	"	"	802	595	238
TUMOR, ANEMIA & ULCERS - - - - -	"	"	311	1235	613	401	577
EMPLOYABILITY DIAGNOSTIC CLINIC - - - - -	"	"	"	6125	6890	4406	504
T O T A L	103244	123097	25924	117263	93275	62595	35990
DIFFERENT PATIENTS TREATED - - - - -	32055	37690	37672	33557	24078	17577	9453
DIRECT DOCTOR CALLS - - - - -	18752	20656	22291	25654	24416	13031	6235
RESCRIPT ON - - - - -	1996	2257	33661	25258	00730	6579	15236
DENTAL PATIENT X-RAYED AT DISP. - - - - -	"	"	"	"	"	1246	617
" " X-RAY EXPOSURES - - - - -	"	"	"	"	"	3432	2353
MISCL. " X-RAYED AT DISP. - - - - -	"	"	"	"	"	530	16347
" " X-RAY EXPOSURES - - - - -	"	"	"	"	"	1181	17195



TUBERCULOSIS DIVISION

DR. W. JAMES FINE, DIRECTOR -- DR. IRVING WILLNER, ASST. DIR.
MAE WACKENMUTH, R.N., SUPV. NURSE.

THE WORK OF THIS DIVISION IS PRIMARILY TO INDUCE ALL POSSIBLE GROUP EXAMINATIONS AND PROVIDE THE CLINICS FOR THEM; TO GIVE HOME INSTRUCTION IN PATIENTS' FAMILIES, ARRANGE FOR EXAMINATION OF FAMILY CONTACTS AND PARTICULARLY TO GIVE INSTRUCTION IN HOME CARE, BOTH FOR THE CONDITION OF THE PATIENT AND THE PROTECT ON OF THE FAMILY OR OTHER CONTACTS. OUR NUMBERS LAST YEAR, WERE 18,039 VISITS, AN INCREASE OF ALMOST 9,000 OVER THE PREVIOUS YEAR. THIS WORK INCLUDED THE SURVEY OF NEWARK'S HOUSING ROYALTY, WHERE EVERY FAMILY WAS INTERVIEWED, AND ALL PERSONS WITH A HISTORY OF COUGHS OR COLDS WERE REFERRED TO THE NEAREST DISTRICT CLINIC. THERE WERE 1,077 SUCH CALLS. THERE WAS A NOT CEASABLE DECREASE IN NEGRO MORTALITY WITH 17 DEATHS AND A RATE OF 243.7. BOTH FIGURES ARE THE LOWEST RECORDED IN THE DEPARTMENT AND COMPARE FAVORABLY WITH RATES OF OVER 400, TEN YEARS AGO.

TUBERCULOSIS MORTALITY IN 1943 SHOWED A SLIGHT INCREASE OVER THE RATE OF 1942, WITH 292 DEATHS ON A RATE OF 66.8 PER 100,000. THIS IS A CONTINUATION OF AN UPWARD TREND SINCE THE LOW POINT WAS RECORDED IN 1933, WHEN THERE WERE 277 DEATHS, AND A RATE OF 40.3. REPORTED CASES ALSO INCREASED FROM 674 IN 1932 TO 705 IN 1943, COMPARED WITH A RECORD LOW OF 534 IN 1939. THIS INCREASE HAD BEEN ANTICIPATED AS A NATURAL RESULT OF THE GREATLY INCREASED TEMPO OF INDUSTRIAL ACTIVITY IN NEWARK. DUE TO THE WAR, CONDITIONS WHICH DEVELOPED DURING THE DEPRESSION TENDED TO LOWER TUBERCULOSIS PREVALENCE AND MORTALITY, WHEREAS, PRESENT CONDITIONS DO THE OPPOSITE. OUTSTANDING IN THESE CHANGES, ARE THE LONGER WORKING HOURS AND INCREASED PHYSICAL AND MENTAL EXHAUSTION OF THOUSANDS OF INDIVIDUALS WITH RESULTANT INSUFFICIENT REST; LESS ATTENTION TO REGULARITY OF MEALS AND HABITS, AND OVER-CROWDING DUE TO INADEQUATE QUARTERS AND THE INFUX OF MANY NEW-COMERS TO OUR CITY AND STATE, WITH ITS QUOTA OF UNKNOWN CASES OF ACTIVE TUBERCULOSIS, WHICH IMMEDIATELY PROCEED TO INFECT OTHERS.

IT WAS THE REALIZATION OF THIS NATURAL DEVELOPMENT WHICH PROMPTED DIRECTOR BACDY TO CONCUR IN THE MANY EXPANSION OF OUR EFFORTS, FOR EARLY DETECTION OF TUBERCULOSIS. THESE INCLUDED THE PURCHASE AND INSTALLATION AT THE HEALTH DEPARTMENT, EARLY IN 1943, OF A COMPLETE X-RAY UNIT EQUIPPED TO TAKE SHORT-EXPOSURE X-RAYS WITH THE INEXPENSIVE TYPE OF "MX5" FILM. THESE FILMS ENABLE THE CLINIC TO DETECT MANY CASES, ESPECIALLY THOSE IN EARLY STAGES, WHICH WOULD NOT BE SUSPECTED BY THE OLD MANNER PHYSICAL EXAMINATION OF THE CHEST. WHERE SUSPICIOUS, THIS SAME EQUIPMENT IS USED TO TAKE THE STANDARD LARGE SIZE X-RAY PICTURES. IN THE FEW MONTHS OF USE, 14,743 SMALL CHEST PICTURES WERE TAKEN OF SUCH GROUPS AS ALL FORDHANDLERS AND DOMESTICS, AS WELL AS INDUSTRIAL WORKERS, AND MANY OTHER SPECIAL GROUPS. THAT EQUIPMENT WAS ALSO USED TO DEVELOP THE X-RAY FILMS FOR APPROXIMATELY 12,000 WORKERS IN THE O.O.B. WHICH HAD TAKEN THE PICTURES AT THE BROWN BUILDING, AND ABOUT WHICH A TWO-PAGE DISPLAY ARTICLE WAS PUBLISHED IN THE SATURDAY EVENING POST.

TUBERCULOSIS PATIENTS LIVE LONGER

AN ENCOURAGING FACT IS BROUGHT OUT BY A STUDY OF AGE AT DEATH FROM TUBERCULOSIS. IN THE PAST 5 YEARS, FOR EXAMPLE, TUBERCULOSIS DEATHS OVER 65 YEARS OF AGE, HAVE INCREASED FROM 14 TO 125 DEATHS. FROM 45 TO 64 YEARS OF AGE, THERE HAS BEEN LITTLE CHANGE, 103 COMPARED WITH 102. IN THE YOUNG ADULT GROUP, FROM 15 TO 25 YEARS OF AGE, THERE HAS BEEN A STEADY REDUCTION FROM 294 DEATHS IN 1929 TO 149 DEATHS IN 1943; A DROP OF PRACTICALLY 50%. INASMUCH AS THE NUMBER OF CASES REPORTED IN THE YOUNG ADULT GROUP HAS NOT DECREASED, THIS CLEARLY SHOWS THAT PATIENTS, BY BETTER CARE AND CONTROL, LIVE MANY YEARS LONGER THAN HERETOFORE.

WARD DISTRIBUTION

THE EFFECT OF ENVIRONMENT IS SHOWN BY A STUDY OF WARD MORTALITY. THE THIRD WARD WITH ITS OVER-CROWDING AND SUB-STANDARD LIVING QUARTERS IS HIGHEST WITH A RATE OF 234.5, CLOSELY PARALLELED BY THE FOURTH WARD WITH ITS TRANSIENT TYPE OF FURNISHED ROOM AND LODGING HOUSE RESIDENTS, WITH A RATE OF 233.3. THE TWO WARDS HAVING THE NEXT HIGHEST RATES ARE ALSO NOTED FOR LONGEST ON. NAMELY, THE SECOND WARD WITH 154.6, AND THE FIFTH WARD WITH 135.7. THE LOWEST RATES WERE NATURALLY IN THOSE SECTIONS OF HIGHER ECONOMIC TYPE HOMES, NAMELY, 24.1 IN THE ELEVENTH WARD, 27.6 IN THE VALEBURG 13TH WARD AND 32.6 IN THE CLINTON HILL 16TH WARD.

THAT THE INFLOW OF UNKNOWN TUBERCULOSIS CASES CONTRIBUTES TO OUR PRESENT INCREASE WAS PROVEN BY THE DISCOVERY OF A NUMBER OF NATURAL CASES WHICH HAD COME TO NEWARK WITHIN THE PAST FEW MONTHS. ONE OF THE REASONS FOR THE INCREASE IN REPORTED CASES IS PROBABLY DUE TO THE GREATLY INCREASED NUMBER OF EXAMINATIONS MADE FOR DRAFTERS, WAR WORKERS AND THE ROUTINE X-RAYING OF FOODHANDLERS. OUR NURSES VISIT CASES TO SEE THAT OTHER MEMBERS OF THE FAMILY ARE EXAMINED, EITHER AT A CLINIC OR BY THE FAMILY PHYSICIAN. THEY ALSO ADVISE AS TO PROPER NUTRITION AND CARE OF THE PATIENT AND ESPECIALLY POINT OUT THE INFECTIOUS NATURE OF THE DISEASE.

TYPE OF DIVISIONAL WORK

	1943	1942	1941
VISITS BY NURSES - - - - -	28,099	19,496	18,652
INVESTIGATIONS BY NURSES - - - - -	2,099	2,112	219
TOTAL - - - - -	30,108	20,608	19,571
FOOD HANDLERS EXAMINED - - - - -	9,172	27,359	29,163
ADULTS AND CHILDREN - - - - -	5,874	7,061	8,992
CARDIAC CLINIC - - - - -	3,261	1,857	2,278
X-RAYS - - - - -	3,062	2,912	1,571
PAROCHIAL SCHOOL CHILDREN EXAMINED - - - - -	2,112	3,567	1,969
FLUOROSCOPIC EXAMINATIONS - - - - -	1,807	2,663	3,284
CAMP CHILDREN EXAMINED - - - - -	912	868	1,104
HAY FEVER & ASTHMA CLINIC - - - - -	718	1,297	1,808
PNEUMOTHORAX TREATMENTS - - - - -	469	485	798
RAKTER CLINIC - - - - -	217	326	9
CUTLER CLINIC - - - - -	178	368	313
FERRY CLINIC - - - - -	89	251	243
SETH BOYDEN CLINIC - - - - -	53	133	-
PENNINGTON CLINIC - - - - -	49	251	189
MANTOUX TESTS - - - - -	82	233	649
MANTOUX TESTS - HOME FOR FRIENDLESS - - - - -	48	-	-
SERUM CASES - - - - -	26	79	152
FOOD HANDLER RE-EXAMINATIONS - - - - -	490	1,078	1,644
DOMESTIC RE-EXAMINATIONS - - - - -	43	131	220
TEMPORARY CARDS (FOOD HANDLERS) - - - - -	67	37	38
TEMPORARY CARDS (DOMESTICS) - - - - -	7	11	20
FOOD HANDLER REJECTIONS - - - - -	20	19	14
DOMESTIC REJECTIONS - - - - -	7	16	6
NO. EXAMINED VERONA CLINIC - - - - -	343	458	529
NO. EXAMINED BEN GARDNER CLINIC - - - - -	277	276	349
NO. EXAMINED FARMINGDALE CLINIC - - - - -	5	11	24
NO. EXAMINED SOMO CLINIC - - - - -	2	11	13

TUBERCULOSIS DEATHS - AGE GROUPS (NOTE TREND TO OLDER AGE BRACKETS)

YEAR	UNDER 5	5-14	15-24	25-44	45-65	65 & OVER	TOTAL
1929	18	15	78	216	102	12	441
1930	11	24	103	178	115	14	445
1931	16	12	83	182	101	16	410
1932	11	11	64	163	82	22	350
1933	20	13	64	167	110	14	388
1934	11	6	65	152	68	14	316
1935	11	11	71	135	74	14	316
1936	11	6	63	145	103	18	346
1937	10	10	44	119	93	25	301
1938	14	6	50	127	75	15	287
1939	2	9	43	125	84	14	277
1940	11	6	51	133	91	17	309
1941	11	6	37	98	97	25	274
1942	7	5	51	126	83	16	288
1943	4	6	44	115	103	22	294

TUBERCULOSIS STATISTICS - WHITE AND COLORED

YEAR	POPULATION		REPORTED CASES		DEATHS		MORBIDITY RATE		DEATH RATE	
	WHITE	COLORED	WHT	COL	WHT	COL	WHT	COL	WHT	COL
1931	405,000	40,000	793	289	251	155	171.1	722.0	62.0	387.5
1932	410,000	40,000	532	245	195	165	129.7	612.6	47.6	425
1933	412,000	40,000	53	230	227	154	124.5	575.0	55.1	385.0
1934	414,000	40,000	447	217	186	124	107.9	542.5	44.9	310.0
1935	415,000	40,000	431	220	189	124	104.8	540.0	45.5	310.0
1936	415,000	42,000	423	213	182	163	106.7	507.1	43.8	389.0
1937	415,000	43,000	385	186	187	12	92.8	432.5	45.0	260.4
1938	415,000	43,000	395	203	154	131	95.2	472.0	37.1	304.6
1939	415,000	44,000	350	179	155	117	84.3	406.8	37.3	265.9
1940	384,000	45,000	300	185	169	138	79.2	41	44.0	306.6
1941	384,000	45,000	338	210	154	119	103.6	466.6	40.1	264.4
1942	384,000	45,000	474	195	161	125	123.4	433.3	41.9	277.7
1943	392,000	48,000	464	231	177	117	118.3	481.2	45.1	243.7

TUBERCULOSIS MORTALITY AND MORBIDITY -- ALL FORMS

YEAR	POPULATION	NO. DEATHS	CASES REPORTED	MORTALITY	MORBIDITY
1931	445,000	410	988	92.2	221.1
1932	450,000	360	785	80.0	174.4
1933	452,000	388	757	85.8	167.5
1934	454,000	316	670	69.6	147.6
1935	455,000	316	654	69.5	143.7
1936	457,000	346	645	75.7	141.1
1937	458,000	301	575	65.8	125.5
1938	458,000	287	608	62.6	131
1939	459,000	277	534	60.3	116.3
1940	429,000	309	586	71.9	136.6
1941	429,000	274	612	63.9	142.7
1942	429,000	288	674	66.1	157.1
1943	440,000	294	705	66.8	60.2

* DIFFERENCE IN TOTALS BY COLOR, IS DUE TO A FEW YELLOW CASES AND DEATHS.

DEATHS (LAPSE OF TIME AFTER REPORT CASE)

NO. CASES REPORTED ONE YEAR PRIOR TO DEATH	- - - -	153	- - - -	52 %
" " " TWO " " " "	- - - -	21	- - - -	7 %
" " " THREE " " " "	- - - -	16	- - - -	6 %
" " " 4 & UP " " " "	- - - -	33	- - - -	11 %
		223		76 %
" " " 1-7 DAYS AFTER DEATH	- - - -	49	- - - -	17 %
" " " 8-15 " " " "	- - - -	16	- - - -	5 %
" " " 1 MONTH " " " "	- - - -	6	- - - -	2 %
		71		24 %



OCCUPATIONAL CLINIC

DR. WILLIAM T. RUNAGE, DIRECTOR

ALL FOOD-HANDLER AND DOMESTIC EMPLOYEES MUST BE EXAMINED SEMI-ANNUALLY. FEMALE PHYSICIANS ARE PROVIDED FOR DOMESTICS DUE TO THE TYPE OF EXAMINATION WHICH INCLUDES ROUTINE CERVICAL SMEARS.

BLOOD TESTS ARE MADE SEMI-ANNUALLY FOR ALL DOMESTICS BUT ONLY ANNUALLY FOR FOODHANDLERS. THIS IS DUE TO THE FACT THAT THERE IS FAR MORE SYPHILIS AMONG DOMESTICS THAN AMONG FOODHANDLERS. MANY OF THE DISCOVERED CASES HAVE NO KNOWLEDGE OF THEIR CONDITION UNTIL OUR EXAMINATION. THEY ARE ALL OF COURSE, REQUIRED TO UNDERGO TREATMENT EITHER BY THEIR OWN PHYSICIAN OR AT OUR CLINIC.

FOODHANDLERS

DURING THE YEAR 36,936 FOODHANDLERS LICENSES WERE ISSUED, A SLIGHT DECREASE FROM 1942. RESTAURANT WORKERS COMPRISE ABOUT ONE QUARTER OF THE TOTAL. OUR CLINIC EXAMINED 28,137; PRIVATE DOCTORS 8,361. EXAMINATIONS DISCOVERED 2 CASES OF GONORRHEA AND 19 CASES OF TUBERCULOSIS. OF 13,896 BLOOD TESTS TAKEN IN THIS GROUP 265 WERE POSITIVE FOR SYPHILIS OR APPROXIMATELY 2%. OUR PHYSICIANS ALSO REFERRED 1 CASE OF SKIN CONDITION TO A PRIVATE DOCTOR FOR TREATMENT. RE-EXAMINATIONS WERE REQUIRED FOR 543 FOODHANDLERS, OF WHICH 20 WERE REJECTED.

DOMESTICS

THE TOTAL NUMBER OF DOMESTIC CARDS ISSUED WAS 3497, A GREAT INCREASE FROM THE PREVIOUS YEAR. OF 1903 BLOOD TESTS, 88 WERE POSITIVE FOR SYPHILIS OR APPROXIMATELY 5%. OF 1,168 X-RAYS TAKEN TO CHECK FOR TUBERCULOSIS, 54 WERE POSITIVE FOR GONORRHEA, AND 7 FOR ACTIVE TUBERCULOSIS.

OUR DOMESTIC AND FOODHANDLER EXAMINATION WORK GREATLY INCREASED IN VALUE AS A CONTROL MEASURE FOR TUBERCULOSIS, INASMUCH AS A NEW COMPLETE 4'X5" X-RAY EQUIPMENT WAS INSTALLED IN MAY 1943 AND A TOTAL OF 14,743 SUCH PICTURES WERE TAKEN. SUSPICIOUS PICTURES ARE FOLLOWED BY THE LARGE STANDARD X-RAY.

RECAPITULATION

		TOTAL	WHITE	BLACK	YELLOW	CHINESE	OTHER
FOOD HANDLERS	CLINIC EXAMINATION	28,137	21,113	3,799	159	9,476	8,580
	PRIV. DOCTOR "	8,361	7,497	829	35	4,764	3,597
	CLINIC RE-EXAM.	438	406	32	-	292	146
	TOTAL	36,936	32,113	4,660	163	24,632	12,304
DOMESTICS	CLINIC EXAMINATION	2,399	564	1,764		DOMESTIC PHYSICIAN	
	PRIV. DOCTOR "	1,168	599	429		ALL FEMALE	
	TOTAL	3,497	1,103	2,394			

NOTE: IN ADDITION TO FOODHANDLERS AND DOMESTICS, SPECIAL EXAMINATIONS AT THIS CLINIC INCLUDED GROUPS OF CATERING WORKERS, TAXI DRIVERS AND OTHERS.

DIVISION OF CHILD HYGIENE

DR. JULIUS LEVY, DIRECTOR

DR. HARRY SILVER, ASSISTANT DIRECTOR

MRS. MEREDITH EHRLICH, SUPERVISING NURSE

STATISTICAL STUDY

	TOTALS		RATES
DEATHS UNDER ONE YEAR	367	PER 1,000 BIRTHS	30.9
DEATHS UNDER ONE MONTH	255	PER 1,000 BIRTHS	21.5
STILLBIRTHS	311	PER 1,000 DELIVERIES	25.5
PLURIPERAL DEATHS	18	PER 1,000 DELIVERIES	1.5
TOTAL BIRTHS	11,856	PER 1,000 POPULATION	26.9

TOTAL BIRTHS DELIVERED IN HOSPITALS 11,230

TOTAL BIRTHS ATTENDED BY MIDWIVES 194

TOTAL BIRTHS ATTENDED BY PHYSICIANS AT HOME 432

THE INFANT MORTALITY RATE FOR 1943 IS 30.9, 1.6 HIGHER THAN IT WAS FOR 1942. THE RATE FOR 1943 IS THE LOWEST RATE RECORDED FOR THE CITY OUTSIDE OF THE YEAR, 1942. THE MATERNAL MORTALITY RATE IS 1.5, THE LOWEST RATE REPORTED IN NEWARK AND ONE OF THE LOWEST RATES REPORTED IN THE COUNTRY. THIS IS PARTICULARLY GRATIFYING, SINCE IT WAS FELT THAT ON ACCOUNT OF THE INCREASED NUMBER OF BIRTHS IN THE PAST TWO YEARS AND THE SHORTAGE OF PHYSICIANS, THERE MIGHT BE AN INCREASE IN THE MATERNAL MORTALITY.

THE DEATH RATE FOR INFANTS UNDER ONE DAY REPRESENTS ONE-THIRD OF ALL THE DEATHS UNDER ONE YEAR; AND THE RATE FOR INFANTS UNDER ONE WEEK IS MORE THAN ONE-HALF OF THE TOTAL DEATHS UNDER ONE YEAR. IT HAS BEEN POINTED OUT IN PREVIOUS REPORTS THAT FURTHER PROGRESS IN THE INFANT MORTALITY RATE WOULD HAVE TO COME FROM A REDUCTION IN THE DEATHS IN THE FIRST WEEK OF LIFE. WE ARE, THEREFORE, PLEASED TO REPORT THAT THERE HAS BEEN A SLIGHT BUT CONTINUOUS REDUCTION IN THE DEATH RATE FOR INFANTS UNDER ONE DAY SINCE 1940, 1943 PRESENTING THE LOWEST RATE OF 9.2. THERE WAS A SLIGHT INCREASE THIS YEAR IN THE RATE FOR INFANTS OVER ONE DAY BUT UNDER ONE WEEK, 8.3 IN 1943 AND 7.7 IN 1942.

THERE WAS A SLIGHT REDUCTION IN THE PERCENTAGE OF WOMEN DELIVERED IN HOSPITALS. THERE WERE 249 FEWER WOMEN DELIVERED IN HOSPITALS IN 1943 THAN IN THE PREVIOUS YEAR. THE PERCENTAGE OF THE TOTAL BIRTHS DELIVERED IN HOSPITALS WAS 94.7. THERE WAS A DISTINCT INCREASE IN THE NUMBER OF WOMEN DELIVERED BY MIDWIVES IN 1943 OVER 1942 AND THE HIGHEST NUMBER DELIVERED BY MIDWIVES SINCE 1939.

DURING THE YEAR, 7,530 INFANTS RECEIVED SUPERVISION, WHICH IS THE HIGHEST NUMBER SINCE THE DIVISION WAS ESTABLISHED IN 1913 AND REPRESENTS PRACTICALLY 7% INCREASE OVER THE PREVIOUS YEAR. THE NURSES MADE ALMOST 77,000 VISITS TO HOMES DURING THE YEAR, WHICH ALSO IS AN INCREASE OVER 1942.

AT OUR PUBLIC INSTITUTIONS, THERE WERE 3,074 IMMUNIZATIONS (ALL PRE-SCHOOL) WITH COMBINED DIPHTHERIA-TOXOID-PERTUSSIS VACCINE. OUR NURSES ALSO VACCINATED 5,301 PRE-SCHOOL CHILDREN AGAINST SMALLPOX.

THE NURSES HAVE HAD THE COOPERATION OF A TRAINED SOCIAL WORKER AND A DIETICIAN APPOINTED TO ASSIST THE VARIOUS FIELD STAFFS.

INFANT MORTALITY RATES 1914-1943

YEAR	UNDER 1 DAY	OVER 1 DAY UNDER 1 WK.	UNDER 1 WK.	OVER 1 WK. UNDER 1 MO.	UNDER 1 MO.	OVER 1 MO. UNDER 1 YR.	UNDER 1 YR.
1914	-	-	-	-	36.9	59.9	96.8
1915	-	-	-	-	36.4	48.9	85.3
1916	-	-	-	-	38.0	51.6	89.6
1917	-	-	-	-	38.9	48.9	87.8
1918	-	-	-	-	39.3	65.4	104.7
1919	-	-	-	-	33.1	43.1	76.2
1920	-	-	-	-	38.7	46.0	84.7
1921	-	-	-	-	36.4	35.1	71.5
1922	-	-	-	-	35.3	39.5	74.8
1923	-	-	-	-	36.0	32.0	68.0
1924	-	-	-	-	32.3	32.9	65.2
1925	-	-	-	-	30.3	38.4	68.7
1926	-	-	-	-	35.5	36.4	71.9
1927	-	-	-	-	34.8	28.5	63.3
1928	-	-	-	-	34.8	29.1	63.9
1929	-	-	-	-	31.2	28.4	59.6
1930	-	-	-	-	27.9	24.2	52.1
1931	-	-	-	-	30.0	21.5	51.5
1932	-	-	-	-	25.5	16.7	42.2
1933	10.6	9.9	20.5	4.6	24.8	20.3	45.1
1934	11.9	9.5	21.4	5.8	27.2	18.0	45.2
1935	15.1	11.3	26.3	6.5	32.9	21.7	54.6
1936	14.5	8.4	22.9	4.4	27.5	18.4	45.9
1937	9.7	6.7	16.3	5.5	21.8	15.7	37.5
1938	14.4	6.7	21.0	3.5	24.6	14.5	39.1
1939	11.1	9.9	21.0	3.3	24.3	13.8	38.1
1940	12.4	8.4	20.8	3.9	24.7	10.4	35.1
1941	11.5	8.6	20.1	3.2	23.2	9.4	32.6
1942	10.6	7.7	18.3	3.6	21.9	7.4	29.3
1943	9.2	8.3	17.6	3.8	21.5	9.4	30.9

BIRTHS & INFANT MORTALITY RATES BY WARDS, 1943

WARDS	TOTAL BIRTHS	TOTAL COLORED BIRTHS	% TOTAL BIRTHS COLORED	MIDWIVES BIRTHS	% TOTAL BIRTHS DELIVERED BY MIDWIVES	TOTAL DEATHS UNDER 1 YEAR	INFANT MORTALITY RATES
1	448	28	6.2	13	2.9	15	33.4
2	163	45	27.4	4	2.4	10	61.3
3	584	434	74.3	10	1.7	32	54.7
4	77	25	32.4	2	2.5	7	90.9
5	315	27	8.5	12	3.8	17	53.9
6	388	72	18.5	5	1.2	11	28.3
7	260	130	50.0	5	1.9	14	53.8
8	858	41	4.7	21	2.4	20	23.3
9	1079	67	6.2	14	1.2	19	17.6
10	364	39	10.9	8	2.1	5	13.7
11	483	25	5.1	6	1.2	11	22.7
12	429	12	2.7	25	5.8	15	34.9
13	864	7	.8	25	2.8	21	24.3
14	578	153	26.4	24	4.1	27	46.7
15	280	70	25.0	7	2.5	6	21.4
16	708	38	5.3	13	1.8	19	26.8
N.R.	3978	29	.7	0	-	117	29.4
TOTAL	11856	1242	10.3	194	1.6	366	30.9
						367	

* UNKNOWN

P. CRPERAL DEATHS 1917-1943

YEAR	TOTAL NO. PUER. DEATHS FOR CITY	RATE PER 1,000 DEL. FOR CITY	TOTAL NO. BIRTHS FOR CITY	TOTAL NO. BIRTHS ATTENDED BY MIDWIVES	% OF BIRTHS ATTENDED BY MIDWIVES	STILLBIRTHS	STILLBIRTHS RATE PER 1,000 DEL.
1917	29	2.4	11,850	5,696	48.1%	453	36.0
1918	53	4.5	11,601	5,358	46.0%	535	44.
1919	56	4.9	11,315	5,148	45.4%	487	43.1
1920	76	6.4	11,734	4,712	40.1%	448	36.8
1921	74	6.3	11,705	4,470	38.1%	504	42.2
1922	58	5.2	10,993	3,764	34.2%	422	37.6
1923	52	4.6	11,111	3,552	31.9%	503	43.3
1924	87	7.5	11,449	3,251	28.5%	502	42.0
1925	87	7.7	10,852	2,799	25.8%	466	42.2
1926	71	6.5	10,460	2,502	23.9%	437	40.1
1927	76	7.3	10,042	2,338	23.3%	436	41.5
1928	69	6.7	9,802	1,993	20.3%	385	37.6
1929	58	5.6	9,965	1,724	17.3%	416	40.1
1930	67	6.6	9,824	1,495	15.2%	367	36.0
1931	34	3.4	9,506	1,191	12.5%	397	40.1
1932	40	4.4	8,782	953	10.9%	340	37.3
1933	29	3.5	7,897	716	9.1%	308	37.5
1934	41	5.2	7,565	625	8.3%	256	32.7
1935	35	4.4	7,638	515	6.7%	276	34.9
1936	29	3.3	7,236	493	6.0%	233	31.2
1937	23	2.9	7,659	374	4.9%	240	30.4
1938	23	2.8	7,936	283	3.6%	247	29.8
1939	30	3.7	7,950	234	2.9%	230	28.1
1940	29	3.3	8,538	185	2.2%	206	23.6
1941	27	2.8	9,765	158	1.6%	268	26.7
1942	22	1.8	12,016	161	1.3%	301	24.4
1943	18	1.5	11,856	194	1.6%	311	25.5

NURSES' ACTIVITIES 1920-1943

YEAR	SUPERVISED BABIES BORN DURING YEAR	TOTAL NO. OF SUPERVISED BABIES UNDER TWO YEARS	NURSES' VISITS TO HOMES	MOTHERS' VISITS TO CONSULTATION STATIONS
1920	-	3,011	32,591	3,963
1921	-	4,553	37,095	6,625
1922	3,265	5,520	40,331	7,768
1923	4,223	7,268	43,308	8,173
1924	4,326	7,765	45,254	8,354
1925	4,010	7,490	42,477	7,801
1926	3,883	7,306	39,305	8,885
1927	4,318	7,400	47,957	13,468
1928	4,236	7,593	51,189	16,950
1929	4,609	8,089	57,251	22,038
1930	4,777	8,437	61,445	32,298
1931	5,070	11,899	68,715	32,395
1932	4,915	12,397	76,575	41,971
1933	4,386	11,868	71,093	34,845
1934	4,286	12,219	67,536	29,380
1935	4,060	12,948	72,877	25,903
1936	3,820	14,890	71,476	23,161
1937	3,532	13,785	71,507	23,823
1938	4,072	15,848	69,410	24,921
1939	5,152	14,700	68,292	26,604
1940	5,113	15,591	64,115	24,597
1941	5,717	13,034	61,280	24,340
1942	7,012	15,149	67,825	19,901
1943	7,530	16,663	76,632	16,706

* THERE ARE 22 BABY-KEEP-WELL STATIONS THROUGHOUT THE CITY, CONDUCTING 25 CONFERENCES A WEEK.

BIRTHS BY ATTENDANT AND PLACE OF DELIVERY 1914-1943

YEAR	TOTAL BIRTHS	NON-RESIDENT BIRTHS	HOSPITAL DELIVERIES	HOME DEL. BY PHYSICIAN	HOME DEL. BY MIDWIFE	NO ATTENDANT	% TOTAL BIRTHS DEL'D IN HOSP.
1914	11,107	214	1,284	4,352	5,471	0	11.6%
1915	10,955	238	1,295	4,243	5,414	3	11.8%
1916	11,446	221	1,374	4,488	5,582	2	12.0%
1917	11,850	381	1,956	4,195	5,696	3	16.5%
1918	11,601	487	-	-	5,358	0	-
1919	11,315	554	-	-	5,148	0	-
1920	11,734	-	-	-	4,712	0	-
1921	11,705	-	-	-	4,470	0	-
1922	10,993	883	-	-	3,764	0	-
1923	11,111	-	-	-	3,552	0	-
1924	11,449	-	-	-	3,251	0	-
1925	10,852	1,258	4,845	3,208	2,799	0	44.6%
1926	10,460	1,214	5,003	2,955	2,502	0	47.8%
1927	10,042	1,246	4,995	2,709	2,338	0	49.7%
1928	9,802	1,431	5,390	2,419	1,993	0	55.0%
1929	9,965	1,822	5,805	2,436	1,724	0	58.3%
1930	9,824	1,977	6,517	1,814	1,493	0	66.3%
1931	9,506	2,137	6,824	1,491	1,191	0	71.8%
1932	8,782	1,885	6,538	1,291	953	0	74.4%
1933	7,897	1,703	6,195	986	716	0	70.4%
1934	7,565	1,738	5,858	1,082	625	0	77.4%
1935	7,638	1,812	6,076	1,047	515	0	79.5%
1936	7,236	1,737	6,025	778	433	0	83.3%
1937	7,652	1,956	6,682	603	374	0	87.2%
1938	7,936	2,076	7,106	546	283	1	89.5%
1939	7,950	2,180	7,315	401	234	0	92.0%
1940	8,538	2,514	7,952	401	185	0	93.3%
1941	9,765	3,162	9,282	325	158	0	95.6%
1942	12,016	4,020	11,479	376	161	0	95.5%
1943	11,856	3,978	11,230	432	154	0	94.7%

N.B. FROM 1925 ON, THE NON-RESIDENT BIRTHS HAVE BEEN INCLUDED IN THE TOTAL BIRTHS.

NEONATAL MORTALITY BY COLOR

YEAR	WHITE INF. MORT. RATE	COL. INF. MORT. RATE	WHITE POST NEONATAL MORT. RATE	COLORED POST NEONATAL MORT. RATE	WHITE NEONATAL MORT. RATE	COL. NEONATAL MORT. RATE
1920	81.0	162.4	43.6	96.0	37.4	66.4
1921	67.9	134.5	32.4	75.7	35.5	53.8
1922	70.9	140.8	37.2	77.0	33.7	63.8
1923	65.0	112.4	29.7	66.1	35.3	46.3
1924	60.1	129.5	25.2	79.1	30.5	50.4
1925	61.0	155.1	33.8	89.9	27.2	65.2
1926	66.6	130.4	33.2	73.8	3.4	56.6
1927	54.7	140.5	25.1	59.2	22.6	80.6
1928	54.8	137.0	25.4	58.3	29.4	77.7
1929	49.8	138.7	23.2	70.3	26.6	68.4
1930	46.0	102.7	21.2	50.0	24.8	52.7
1931	46.3	95.5	21.8	45.8	24.5	49.7
1932	37.3	82.0	14.2	36.9	23.1	45.1
1933	39.1	91.1	17.2	42.8	11.9	48.3
1934	38.8	94.3	14.5	44.3	24.3	50.0
1935	50.7	84.8	18.6	45.9	32.1	38.9
1936	39.8	89.5	14.6	45.3	25.2	44.2
1937	24.0	61.5	23.3	39.0	2.7	22.5
1938	23.1	62.2	17.6	32.1	23.8	30.1
1939	36.7	74.8	18.4	32.2	18.3	42.6
1940	35.8	70.9	12.6	23.0	23.2	47.9
1941	28.9	62.6	10.5	21.5	21.7	4.1
1942	26.3	55.3	5.9	20.9	20.4	34.5
1943	27.6	59.5	7.1	28.9	20.4	30.5

* OVER ONE MONTH BUT UNDER ONE YEAR.

DEATHS UNDER ONE YEAR BY CAUSES - 1916-1943

YEAR	MEASLES	BRONCHITIS	PNEUMONIA	MENINGITIS	DIARRHOEA	OTHER CONTAGIOUS DISEASES	EARLY INF. CONG. DEF. PREMATURITY	ALL OTHERS	TOTAL
1916	23	35	122	24	196	86	435	105	1026
1917	0	72	121	26	250	50	430	86	1035
1918	33	84	156	30	273	83	442	112	1213
1919	2	42	87	24	244	227	345	91	862
1920	16	57	143	19	191	66	402	100	994
1921	5	38	83	12	178	27	403	91	837
1922	14	44	128	11	153	22	352	98	822
1923	15	32	94	10	105	21	376	103	756
1924	4	38	106	17	115	24	356	86	746
1925	3	26	99	11	105	23	376	103	746
1926	17	18	142	5	102	16	383	70	753
1927	0	13	91	10	70	28	357	67	636
1928	11	8	97	12	68	19	356	55	626
1929	0	14	121	8	43	28	307	73	594
1930	4	9	95	10	33	10	278	73	512
1931	0	10	86	17	30	21	273	53	490
1932	0	2	67	5	13	12	232	40	371
1933	2	2	75	2	18	10	191	56	356
1934	0	2	52	5	23	2	221	37	342
1935	3	3	59	7	22	16	264	43	417
1936	0	5	51	10	13	9	202	42	332
1937	4	0	47	1	26	6	167	36	287
1938	0	3	40	3	10	10	211	33	310
1939	0	2	28	1	18	6	201	47	303
1940	0	1	26	4	14	0	223	32	300
1941	1	0	23	7	10	5	241	31	318
1942	2	1	41	3	8	2	260	35	352
1943	0	1	41	5	14	5	255	46	367

BOARDING HOMES 1943

NUMBER OF BOARDING HOMES LICENSED DURING 1943	- - - 4 - -	44
NUMBER OF DAY-CARE HOMES LICENSED DURING 1943	- - - - -	1
NUMBER OF DAY NURSERIES LICENSED DURING 1943	- - - - -	7
NUMBER OF ACTIVE LICENSED BOARDING HOMES ON 12/31/43	- -	43
NUMBER OF ACTIVE LICENSED DAY-CARE HOMES ON 12/31/43	- -	1
NUMBER OF ACTIVE LICENSED DAY NURSERIES ON 12/31/43	- - -	7
NUMBER OF CHILDREN OF PLACED IN BOARDING HOMES DURING 1943	- - -	22
NUMBER OF CHILDREN IN BOARDING HOMES ON 12/31/43	- - - -	37
NUMBER OF CHILDREN REMOVED FROM BOARDING HOMES IN 1943	-	27



VENEREAL DISEASE CONTROL DIVISION

DR. AMES L. FILIPPO, PHYSICIAN-IN-CHARGE

THE CAMPAIGN FOR EXTENSIVE BLOOD TESTING CONTINUED AND DURING THE YEAR 1943, 200,807 BLOOD TESTS WERE MADE IN NEWARK. THIS INCLUDED ROUTINE EXAMINATIONS OF ALL FIDELITY AND DOMESTIC, DRAFT AND SELECT BLOOD TESTS, TESTS MADE ON ALL SOURCES OF INFECTION, ALL CASES ADMITTED TO OUR CLINIC, POLICE CASES, ETC. POSITIVE KLINE TESTS ARE CONFIRMED BY KAHN OR HASSERMAN. OF ALL TESTS MADE, 12,247 TESTS WERE POSITIVE. WE ALSO DID 161 DARKFIELD TESTS OF WHICH 77 WERE POSITIVE.

MANY OVER-TREATED PATIENTS HAVE BEEN GRADUALLY ELIMINATED. IF A PATIENT HAS HAD ADEQUATE TREATMENT AND THE SPINAL FLUID IS NEGATIVE, THE PATIENT GIVEN NO FURTHER TREATMENT IN SPITE OF A POSITIVE BLOOD, SINCE HE HAS NO RESERVE OF INFECTION. THESE PATIENTS ARE ASKED TO RETURN FOR A CHECK-UP ON THEIR SPINAL FLUID.

WE HAVE NO FLUOR THERAPY CABINETS IN NEWARK FOR TREATMENT OF SYPHILIS OF THE CENTRAL NERVOUS SYSTEM, BUT WE OCCASIONALLY REFER PATIENTS FOR MALARIA TREATMENT TO MORRIS PLAINS AND OVERBROOK HOSPITALS.

THE EXPERIMENTS WITH PENICILLIN IN CENTRAL NERVOUS SYSTEM SYPHILIS IS ENCOURAGING AND HOLDS OUT CONSIDERABLE HOPE FOR THE NEAR FUTURE WHEN PENICILLIN IS AVAILABLE IN SUFFICIENT QUANTITIES TO TREAT THESE CASES.

GONORRHEA CASES ARE TESTED BY BOTH SMEARS AND CULTURES. IN THE FEMALES, CERVICAL AND URETHRAL SMEARS AND CULTURES ARE BEING TAKEN. WE HAVE BEEN USING SLEUTH TABLE WITH VERY ENCOURAGING RESULTS FINDING COMPATIVELY FEW UNRESPONDENT CASES. NO PATIENTS ARE DISCHARGED AS CURED, UNLESS THEY HAVE THREE CONSECUTIVE NEGATIVE SMEARS AND CULTURES. EARLY SYPHILIS CASES ARE EITHER SENT TO THE ESSEX COUNTY ISOLATION HOSPITAL AT BELLEVILLE FOR THE FIVE-DAY MASSIVE DOSE INTRAVENOUS DRIP TREATMENT OR THEY ARE GIVEN TWO INTRAVENOUS AND ONE BISMUTH INJECTION A WEEK IN OUR CLINIC. THIS INTENSIVE TREATMENT IS OF GREAT VALUE IN PREVENTING THE PATIENT MORE LIKELY TO BE UNCOOPERATIVE. NO PATIENT IS DISCHARGED UNTIL A SPINAL TEST HAS BEEN DONE. WE HAVE DISCONTINUED THE PRACTICE OF DOING CYSTERNALS AND ARE NOW DOING SPINAL TESTS ON ALL PATIENTS. THIS PRACTICE WAS STARTED IN OUR CLINIC IN DECEMBER 1943.

DURING THE YEAR 1943, 91 CASES OF EARLY SYPHILIS RECEIVED THE FIVE DAY MASSIVE DOSE INTRAVENOUS DRIP TREATMENT AT SOMO. SO FAR 392 CASES RECEIVED THIS TREATMENT WITHOUT A FATALITY SINCE 1941.

CASES OF SYPHILIS DISMISSED FROM OUR CLINIC

1122 PATIENTS WERE DISMISSED AS PERMANENTLY IMPROVED OR CURED DURING 1943 AND 4609 WERE PLACED ON REST FROM TREATMENT AS PRESUMABLY CURED.

CASE FINDING AND CASE HOLDING

DUE TO WAR, IT HAS BEEN INCREASINGLY DIFFICULT TO HAVE PATIENTS REPORT REGULARLY FOR TREATMENT. AS A RESULT OUR INVESTIGATORS HAVE BEEN BURDENED WITH AN INCREASED NUMBER OF CASES TO FOLLOW UP. MANY OF THESE PATIENTS HAVE MOVED AND MANY ARE UNCOOPERATIVE. PATIENTS WHO ARE UNCOOPERATIVE AND INFECTIOUS ARE BROUGHT TO COURT ON SYMOMS. IN 1943, OUR INVESTIGATORS MADE 19,951 INVESTIGATIONS.

SELECTIVE SERVICE DRAFTS

THE DIVISION WAS AGAIN ACTIVE DURING THE YEAR WITH SELECTIVE SERVICE DRAFTS, IN COOPERATION WITH THE STATE DEPARTMENT OF HEALTH. THE KLINE LABORATORY PERFORMED 89,023 BLOOD TESTS ON DRAFTS OF WHICH 1204 WERE FOUND TO BE POSITIVE. THESE POSITIVE CASES REPRESENTED LARGELY A RESERVOIR OF UNRECOGNIZED OR NEGLECTED CASES. THE EFFORT TO BRING THESE MEN TO THE CLINIC FOR FURTHER EXAMINATION AND PLACING UNDER TREATMENT THOSE REQUIRING IT, HAS ENTAILLED A GREAT AMOUNT OF WORK ON THE PART OF THE SOCIAL SERVICE AND THE CLINIC STAFFS.

GENEROUS CULTURE SERVICE TO PRIVATE PHYSICIANS

THOUGH LABORATORY FACILITIES AND SERVICE PROVIDED IN NEWARK BY THE STATE DEPARTMENT OF HEALTH, THE GENEROUS CULTURE SERVICE IS EXTENDED TO PRIVATE PHYSICIANS. RECEIVING STATIONS FOR SPECIMENS HAVE BEEN ESTABLISHED IN SIX LEADING HOSPITALS FOR THIS PURPOSE. THERE WERE 2,652 SUCH CULTURES EXAMINED IN 1943.

SOURCES OF INFECTION

WE RECEIVED FROM THE STATE DEPARTMENT OF HEALTH 355 COMPLAINTS OF SYPHILIS AND GONORRHEA INFECTIONS CONTRACTED IN NEWARK, MOST OF THEM BY SOLDIERS AND SEAFARERS. IN VERY MANY OF THESE THE INFORMATION GIVEN AS TO NAME, ADDRESS, DESCRIPTION AND PLACE OF CONTACT, WHICH INFORMATION MUST SERVE FOR TRACING THE NAMED SOURCE OF INFECTION, WAS EXTREMELY MEAGER AND OFTEN TOTALLY INADEQUATE. AFTER THE FACT, BY DILIGENT SEARCH, 270 WERE FOUND AND EXAMINED, AND 140 WERE FOUND TO BE INFECTED AND PLACED UNDER TREATMENT. OF A TOTAL OF 410 SUSPECTED SOURCES NAMED BY VARIOUS AGENCIES, 302 WERE FOUND AND EXAMINED AND 160 WERE FOUND TO BE INFECTED.

THIS EPIDEMIOLOGICAL SERVICE LIES AT THE HEART OF THE VENEREAL DISEASE CONTROL PROGRAM. NEXT TO THE PREVENTION OF INFECTION THE EFFECTIVE STRATEGY IS THE EARLIEST POSSIBLE DISCOVERY OF EVERY INFECTION AND BRINGING THE INFECTED UNDER MEDICAL SUPERVISION IN ORDER TO CHECK THE SPREAD OF INFECTION.

CLINIC REPORT

		1940	1941	1942	1943
<u>SYPHILIS</u>	NEW PATIENTS, MALE - - - - -	427	487	562	391
	" " FEMALE - - - - -	449	458	345	239
	TOTAL NEW PATIENTS - - - - -	876	945	907	600
	PATIENTS TREATED, MALE - - - - -	283	2718	2,290	2,197
	" " FEMALE - - - - -	4047	3772	2557	2120
	TOTAL SYPHILIS PATIENTS TREATED - - - - -	7854	5960	4847	4315
	TREATMENTS GIVEN - - - - -	85118	55869	46253	27395
	CASES REPORTED FROM NEWARK - - - - -	2338	2782	3221	1988
	PATIENTS DISMISSED - - - - -	125	655	1324	1122
	PATIENTS PUT ON REST - - - - -	2100	1814	1454	1409
<u>GONORRHEA</u>	NEW PATIENTS, MALE - - - - -	999	519	465	687
	" " FEMALE - - - - -	254	204	231	173
	TOTAL NEW PATIENTS - - - - -	1253	723	696	860
	PATIENTS TREATED, MALE - - - - -	1,112	762	941	914
	" " FEMALE - - - - -	985	553	316	227
	TOTAL PATIENTS TREATED - - - - -	2097	1315	1257	1141
	TREATMENTS GIVEN - - - - -	15209	13226	6966	7926
	CASES REPORTED FROM NEWARK - - - - -	-	1105	1912	808
	SOCIAL SERVICE LETTERS SENT - - - - -	17468	18200	12489	7715
	" " VISITS MADE - - - - -	37400	36267	37887	19951
<u>SOURCES OF INFECTION</u>	CONTACTS NAMED - - - - -	-	104	482	355
	" " FOUND AND EXAMINED - - - - -	-	64	278	270
<u>TRACED</u>	" " FOUND INFECTIOUS - - - - -	-	26	152	141

LATER, TONY SERVICE

[illegible]

* INCLUDES 10767 BLOOD TESTS OF EMPLOYEES AT OFFICE OF DEPENDENCY BENEFITS

BACTERIOLOGICAL LABORATORY

DR. H. A. TARBELL, CHIEF BACTERIOLOGIST

A RECAPITULATION OF THE ROUTINE WORK PERFORMED AT THE BACTERIOLOGICAL LABORATORY DURING THE YEAR 1943 IS GIVEN IN THE FOLLOWING TABLE, TOGETHER WITH SIMILAR DATA FOR THE PRECEDING YEARS.

PNEUMONIA TYPINGS HAVE DECREASED DUE TO THE UNIVERSAL USE OF THE SULFA DRUGS IN TREATMENT OF PNEUMONIA.

FOOD ANALYSES AND STOOL EXAMINATIONS HAVE GREATLY INCREASED DUE TO SEVERAL OUTBREAKS OF GASTRO-INTESTINAL INFECTIONS REQUIRING ROUTINE FECAL EXAMINATIONS FOR KITCHEN EMPLOYEES TO WEED OUT POSSIBLE CARRIERS OF TYPHOID, ETC. EXAMINATIONS OF GLASSES IN CAMPAIGN TO INSURE CLEAN UTENSILS IS INCREASING.

NEWARK HAS BEEN FORTUNATE IN THAT RABIES HAS FALLEN TO ZERO THIS YEAR.

EXAMINATIONS AND RESULTS

	1936	1937	1938	1939	1940	1941	1942	1943
DIPHTHERIA CULTURES - - - - -	7806	6733	6901	7335	6841	6174	5080	4139
" " POS. - - - - -	9	4	7	4	0	0	0	0
TUBERCULOSIS SPUTA - - - - -	2135	2034	2335	2394	2354	6201	5028	2141
" " POS. - - - - -	304	267	288	236	244	269	308	352
TYPHOID (WIDALS) - - - - -	781	740	580	515	330	333	139	151
" " POS. - - - - -	143	70	75	79	33	40	5	9
DOG BRAIN (RABIES) - - - - -	34	16	168	165	74	72	35	25
POS. OUT-OF-TOWN - - - - -	0	0	21	29	21	6	7	1
" NEWARK DOGS - - - - -	0	0	86	64	14	24	1	0
VINCENT'S ANGINA SMEARS - - - - -	1188	1345	2262	1813	1663	1516	3730	3414
" " POS. - - - - -	357	467	641	454	406	398	794	853
GONORRHOEA SMEARS - - - - -	15200	17155	20591	19886	19409	17976	9484	6138
" " POS. - - - - -	1436	1710	1580	1465	1283	1502	595	530
WATER EXAMINATIONS - - - - -	746	882	829	694	614	798	622	652
MILK " - - - - -	3189	3250	2917	2603	7431	6648	5279	2466
ICE CREAM ETC. " - - - - -	254	217	255	253	216	293	142	174
SHELL FISH " - - - - -	67	77	81	36	63	48	33	22
DRABTINGS FROM BEVERAGE GLASSES, ETC. - - - - -	-	264	340	372	418	979	1434	1691
DOG BITE INVESTIGATIONS - - - - -	2256	2296	2936	2980	2592	2594	2110	1890
PASTEUR TREATMENTS GIVEN - - - - -	2	0	64	38	9	25	1	0

MISCELLANEOUS EXAMINATIONS

	1941	1942	1943
EXAMINATIONS FOR FOOD POISONING - - - - -	62	80	185
" " UNDULANT FEVER - - - - -	11	30	7
" OF FECES & URINE - - - - -	46	101	123
PNEUMONIA TYPINGS - - - - -	210	116	34

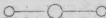
DOG BITES AND RABIES

INVESTIGATIONS OF DOG BITES, QUARANTINE OF BITING ANIMALS AND SECURING ANIMALS FOR BRAIN EXAMINATION IS IN CHARGE OF TWO INSPECTORS ASSIGNED TO THE BACTERIOLOGICAL LABORATORY WHERE RABIES TESTS AND FREE PASTEUR TREATMENTS ARE GIVEN. THIS WORK REQUIRED 5,568 INVESTIGATIONS DURING THE YEAR.

YEAR	PERSONS BITTEN	ANIMALS EXAMINED	POSITIVE CASES	PERSONS GIVEN ANTI-RABIC TREATMENT
1910	218	33	21	40
1911	350	26	11	26
1912	536	43	18	62
1913	612	41	15	41
1914	509	28	5	13
1915	566	38	3	3
1916	432	14	0	4
1917	506	34	17	31
1918	565	19	8	43
1919	493	17	3	4
1920	465	13	2	4
1921	539	16	0	0
1922	654	22	6	15
1923	955	79	23	32
1924	1169	73	23	58
1925	1120	56	22	42
1926	1159	67	23	47
1927	1355	60	21	29
1928	1365	28	7	8
1929	1522	15	0	1
1930	1602	24	4	9
1931	1855	62	20	26
1932	1588	94	54	54
1933	1902	78	30	32
1934	1980	58	22	11
1935	1900	22	0	0
1936	2256	29	0	2
1937	2296	45	0	2
1938	2936	141	86	64
1939	2890	118	64	38
1940	2592	45	14	9
1941	2594	57	24	27
1942	2110	16	1	2
1943	1890	25	0	0

NOTE - THIS TABLE DOES NOT INCLUDE EXAMINATIONS OF OUT-OF-TOWN DOGS.

- AMONG THE PERSONS BITTEN, 17 WERE BY CATS, 20 BY OTHER ANIMALS AND 3 BY HUMANS.



SEROLOGICAL LABORATORY

DR. H. S. WARTLAND, PATHOLOGIST

THE SEROLOGICAL LABORATORY DURING THE YEAR MADE A TOTAL OF 79,994 EXAMINATIONS, THIS IS IN ADDITION TO BLOOD TESTS PERFORMED BY THE VENEREAL DISEASE LABORATORY.

THE TEST USED IN THIS LABORATORY FOR THE DETECTION OF SYPHILIS ARE THE WASSERMANN REACTION, USING THE KOLMER STANDARDIZED TECHNIQUE, AND THE PRECIPITATION TEST OF KAHN. KAHN TESTS ARE PERFORMED ON ALL BLOOD SPECIMENS SUBMITTED, IF NEGATIVE, THEY ARE SO REPORTED AND NO OTHER TESTS ARE PERFORMED. IF THE KAHN TESTS ARE POSITIVE OR SUSPICIOUS, WASSERMANN TESTS USING THE KOLMER TECHNIQUE, ARE PERFORMED. ALL SPINAL FLUIDS ARE TESTS BY THE WASSERMANN PROCEDURE.

IN REGARD TO PRIVATE LABORATORIES PERFORMING VARIOUS TESTS FOR SYPHILIS IN HEALTH WORK, I AM OF THE OPINION THAT ALTHOUGH EVERYONE WOULD LIKE TO HELP PRIVATE LABORATORIES WHICH ARE APPROVED BY THE STATE, IT SHOULD NOT BE LOST SIGHT OF THAT THE SEROLOGICAL DIAGNOSIS OF SYPHILIS IS A PUBLIC HEALTH PROBLEM. THE SMALL NUMBER OF PEOPLE ABLE TO PAY PRIVATE LABORATORY FEES IS A NEGLIGIBLE FACTOR. FOR THESE REASONS AND MANY OTHERS, THE STATE AND LARGER MUNICIPALITIES MUST TAKE CARE OF THIS IMPORTANT PUBLIC HEALTH WORK.

THE SMALL NUMBER OF DARKFIELD EXAMINATIONS MADE FOR THE DIAGNOSIS OF THE PRIMARY LESION IS READILY EXPLAINED BY THE FACT THAT MOST OF THESE CASES ARE SEEN IN THE SYPHILIS CLINIC OF THE DEPARTMENT, WHERE THESE TESTS ARE REGULARLY BEING MADE.

NUMERICAL SUMMARY OF WORK PERFORMED

	1938	1939	1940	1941	1942	1943
BLOOD WASSERMANN'S - KOLMER TECHNIC - - -	10,941	7,205	6,104	5,767	5,983	5,133
" " " " Pos. - - - - -	3,269	2,467	2,091	2,265	2,394	2,400
SPINAL FLUID WASSERMANN'S - - - - -	1,014	1,165	1,454	1,249	1,036	809
" " " " Pos. - - - - -	95	108	109	84	81	72
KAHN PRECIPITATION TESTS - - - - -	57,568	4,115	61,380	60,317	58,467	49,464
" " " " Pos. - - - - -	8,951	9,577	7,293	6,419	5,935	4,867
DARKFIELD EXAMINATIONS - - - - -	15	5	20	18	25	30
" " " " Pos. - - - - -	5	3	15	12	14	23
SMears FOR GONOCOCCI (FROM CITY HOSP. ONLY)	4,115	4,141	5,263	4,620	4,462	3,844
" " " " Pos. - - - - -	112	192	755	108	161	144
ROUTINE SEROLOGICAL EXAM. (SPINAL FLUID)	675	817	856	293	1,361	2,795
(INCLUDING CELL COUNT, GLOBULIN, GOLD SOL AND BACTERIOLOGICAL EXAMINATION)						
HETEROPHILE ANTIBODY TESTS - - - - -	-	-	-	37	13	19
" " " " Pos. - - - - -	-	-	-	8	2	3
TOTAL EXAMINATIONS - - - - -	74,320	74,449	75,104	72,911	79,994	62,094

SOURCE OF BLOOD SPECIMENS FOR SEROLOGICAL DIAGNOSIS OF SYPHILIS

NEWARK CITY HOSPITAL (CHIEFLY AS EXCLUSION TEST)* BLOOD DONORS	8,900	8,250	6,919
NEWARK CITY DISPENSARY (ROUTINE FOR ALL PATIENTS) AND TO CONFIRM TESTS OF FOODHANDLERS AND DOMESTICS - - - - -	12,158	10,772	4,960
OTHER HOSPITALS IN NEWARK - - - - -	5,568	3,916	3,306
PHYSICIANS OF NEWARK (FROM PRIVATE AND CHARITY HOME PATIENTS)	33,204	35,374	31,970
PRENATAL TESTS (REQUIRED BY LAW) - - - - -	8,023	8,903	3,567 *
PREMARITAL TESTS (REQUIRED BY LAW OF 1938) - - - - -	13,098	13,553	10,528

* MANY PRENATAL BLOODS WERE PROBABLY NOT SO INDICATED.

CHEMICAL LABORATORY

HALSEY DURAND, CITY CHEMIST

ANALYSES FOR 1943 NUMBERED 9074, A DECREASE OF 823 AS COMPARED WITH 1942. THE DECREASE WAS MAINLY DUE TO THE SMALLER NUMBER OF PHOSPHOMONODESTERASE TESTS AND ROUTINE MILKS, BROUGHT ABOUT BY WAR CONDITIONS.

IN THE MONTHLY SAMPLES OF WATER FROM DIFFERENT LOCALITIES OF THE PENQUANNOCK AND ANAQUE SUPPLY SYSTEMS IRREGULARITIES WERE FOUND AT POINTS IN THE TWO SYSTEMS, AND INVESTIGATIONS AS TO CAUSE WERE RECOMMENDED. THESE IRREGULARITIES WERE EXPLAINED BY ADDITIONS MADE TO THE WATER FOR PURIFICATION PURPOSES. ANALYSES OF LOCAL FAUCET SAMPLES SHOWED THEM TO BE OF ABOUT THE USUAL HIGH STANDARD OF PURITY.

SAMPLES FROM DRIVEN AND DUG WELLS AND THE PASSAIC RIVER WERE ANALYZED, AND WATER SPECIMENS FROM OUTDOOR AND INDOOR POOLS WERE ANALYZED FOR AVAILABLE CHLORINE AND TOTAL CHLORIDES.

IN ADDITION TO MILKS, CREAMS AND ICE CREAMS, FOODS OF PRACTICALLY EVERY DESCRIPTION WERE ANALYZED FOR ADULTERATION, INJURIOUS INGREDIENTS (CAUSING ILLNESS), PRESERVATIVES, ARTIFICIAL COLOR, POISONOUS METALS, FOREIGN SUBSTANCES (GLASS, INSECTS, MOLDS, ETC.), ARTIFICIAL FLAVORS, CONFORMITY TO STANDARD, FITNESS FOR HUMAN CONSUMPTION AND COMPOSITION. INCLUDED WERE MEATS FOR PRESENCE OF HORSE MEAT AND EXCESSIVE FAT CONTENT. PHOSPHOMONODESTERASE TESTS FOR IMPROPER PASTEURIZATION, WERE RUN ON ALL ROUTINE MILKS AND CREAMS.

YEAR	TOTAL	MILK	SUMMARY OF EXAMINATIONS BY YEAR				PHOSPHATASE TEST
			CREAM	ICE CREAM	WATER	MISCL.	
1933	8931	7003	865	232	583	248	-
1934	6994	4804	203	448	493	1046	-
1935	6040	4636	147	387	629	241	-
1936	5624	4488	132	244	537	223	-
1937	6023	4882	184	248	557	152	-
1938	4986	4004	119	197	497	169	-
1939	4118	2977	94	222	493	171	161
1940	7906	3365	93	211	444	161	3632
1941	9302	3877	85	232	682	322	4124
1942	9897	4284	74	178	575	135	4651
1943	9074	3876	72	119	536	325	4144

MILK SAMPLES

	1937	1938	1939	1940	1941	1942	1943
TOTAL MILKS (ROUTINE) - - - - -	4882	4004	2977	3365	3877	4284	3876
" " SEALED - BELOW STD. - - -	5	0	1	2	3	33	54
" " UNSEALED " " - - - - -	0	1	0	0	5	20	8
AVE. SOLIDS ABOVE STANDARD (MILK) - -	12.69	12.95	12.66	12.73	12.99	12.93	12.77
" " BELOW " " - - - - -	11.13	9.85	10.91	10.43	11.08	10.99	10.94
" " ALL SAMPLES " " - - - - -	12.68	12.94	12.66	12.72	12.99	12.92	12.75
AVE. FAT - ABOVE STANDARD (MILK) - -	3.66	3.76	3.66	3.74	3.92	4.04	3.90
" " BELOW " " - - - - -	2.30	1.50	2.14	1.58	3.15*	2.94	2.33
" " ALL SAMPLES " " - - - - -	3.66	3.75	3.66	3.74	3.94	3.97	3.88

* THE FAT IN % BELOW STANDARD IS HIGHER BY REASON OF THE FACT THAT LOW CERTIFIED MILKS, THE STANDARD FOR SOME OF WHICH IS 4.00% AND FOR OTHERS 3.50%, AND ALSO THE LOW GRADE A MILKS, THE NEW JERSEY STATE MILK CONTROL STANDARD FOR WHICH IS 3.50%, ARE INCLUDED IN THE BELOW STANDARD AVERAGE, ALTHO ABOVE THE ORDINARY STANDARD OF 3.00%.

CREAM AND ICE CREAM SAMPLES

	1937	1938	1939	1940	1941	1942	1943
CREAM SAMPLES - - - - -	184	119	94	93	88	74	72
" " BELOW STANDARD - - - - -	0	0	0	0	2	0	0
ICE CREAM SAMPLES - - - - -	248	197	222	211	232	178	119
" " BELOW STANDARD - - - - -	7	14	14	4	6	3	7



